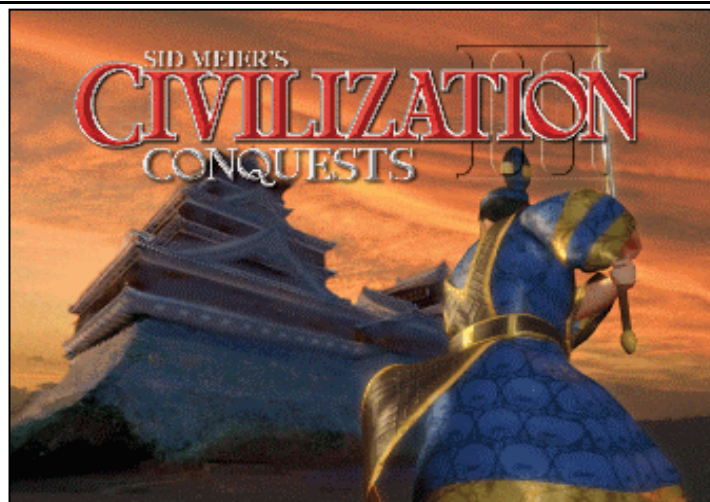


# Keyboard Shortcuts

January 2004. Many thanks to Firaxis and Atari for bringing us Civ3 Conquests.

Unit Orders	
Airdrop	P
Airlift	T
Air superiority mission	S
Automate worker	A
leave existing improvements	Shift-A
this city only	Shift-I
this city, leave existing imp.	Ctrl-Shift-I
clean up pollution only	Shift-P
clear forests only	Shift-F
clear jungle only	Shift-J
Bombard / Bombing mission	B
automated bombard	Shift-B
automated precision bombing	Shift-P
Build airfield	Ctrl-Shift-A
Build army	B
Build barricade	Ctrl-F
Build city / Join City	B
Build colony	B
Build fortress	Ctrl-F
Build mine	M
Build outpost	Ctrl-O
Build radar tower	Ctrl-T
Build railroad	Shift-R
Build railroad to	Ctrl-Shift-R
Build road	R
Build road to	Ctrl-R
Build road to, then colonize	Ctrl-B
Clean up pollution	Shift-C
Clear forest	Shift-F
Clear wetlands (jungle/marsh)	Shift-C
Disband	D
Explore	E
Fortify/Garrison	F
Go to	G
Go to (whole stack)	J or X
Go to (units of cur. type in stack)	Ctrl-J / Ctrl-X
Hold (skip turn)	Spacebar
Hurry improvement	Ctrl-H
Irrigate	I
Irrigate to nearest city	Ctrl-I
Pillage	Shift-P
Plant forest	N
Re-base mission	Shift-R
Recon mission	R
Sentry	Y
Sentry (wake near enemy only)	Shift-Y



More Unit Orders	
Trade network	Ctrl-N
Unload/load	L
Upgrade	U
Upgrade all	Shift-U
Wait	W or Tab

Cycle Cities and Units	
Next City	. (period)
Previous City	, (comma)
Next City in Disorder	Shift-. (>)
Previous City in Disorder	Shift-, (<)
Next Unit	]
Previous Unit	[
Next Unit of Selected Type	Shift-] (})
Previous Unit of Selected Type	Shift-[ ({} )

Advisors	
Domestic advisor	F1
Trade advisor	F2
Military advisor	F3
Foreign advisor	F4
Cultural advisor	F5
Science advisor	F6

City Window	
Add to production queue	Shift-Click
Contact city governors	G
Hurry production (rush job)	H
Load production queue	Q
Save production queue	Shift-Q

Game Stuff	
Center on active unit	C
Center on capital	H
Center on message	Shift-X
Change government (revolution)	Shift-G
Change mobilization	Shift-M
Clean up map	Ctrl-Shift-M
Contact rival leaders	Shift-D
Demographics	F11
End turn immediately	Shift-Enter
Establish an embassy	Ctrl-E
Go to city	Ctrl-Shift-G
Histogram/Score	F8
Locate city	Shift-L
Palace	F9
Plant a spy	Ctrl-Shift-E
Rename unit	Shift-N
Spaceship	F10
Toggle map grid	Ctrl-G
Use embassy or spy	Shift-E
Wonders of the World	F7
Zoom in/out	Z

Other Stuff	
Change preferences	Ctrl-P
Change sound preferences	Shift-S
Force GoTo's & Automoves	Ctrl-U
Hide interface	Del
Initiate chat	~
Load game	Ctrl-L
Main menu	Ctrl-M
New game	Ctrl-Shift-Q
Quit	Esc
Resign and quit	Ctrl-Q
Retire	Shift-Q
Save game	Ctrl-S
Show game version	Ctrl-F4
Toggle button direction	Backspace

This file produced by [Julian Egelstaff](#).

Thanks to [Alanus](#) for collecting the Conquests data, and for innumerable other tweaks and improvements.

Thanks to [Ken Brown](#) for the original Tech Tree data and keyboard shortcuts.

## Ground Units - Ancient



**Warrior**

10

1.1.1

Swordsman



**Enkidu Warrior**

10

1.2.1

Pikeman  
Sumerian



**Jaguar Warrior**

10

1.1.2

Swordsman  
Aztec



**Spearman**

Bronze Working

20

1.2.1

Pikeman



**Impi**

Bronze Working

20

1.2.2

Musketman  
Zulu



**Hoplite**

Bronze Working

20

1.3.1

Musketman  
Greek



**Numidian Mercenary**

Bronze Working

30

2.3.1

Pikeman  
Carthaginian



**Archer**

Warrior Code

20

2.1.1 (1 def. bombard)

Longbowman



**Bowman**

Warrior Code

20

2.2.1 (1 def. bombard)

Longbowman  
Babylonian



**Javelin Thrower**

Warrior Code

30

2.2.1 (enslavement)

Longbowman  
Maya



**Swordsman**

Iron Working

30

3.2.1

Medieval Infantry  
Iron



**Legionary**

Iron Working

30

3.3.1

Medieval Infantry  
Iron, Roman



**Immortal**

Iron Working

30

4.2.1

Medieval Infantry  
Iron, Persian



**Gallic Swordsman**

Iron Working

40

3.2.2

Medieval Infantry  
Iron, Celtic



**Ancient Cavalry**

Mathematics

40

3.2.2 (+ 1 HP)

Statue of Zeus



**Chariot**

The Wheel

20

1.1.2

Horseman  
Horses



**War Chariot**

The Wheel

20

2.1.2

Knight  
Horses, Egyptian



**Three Man Chariot**

The Wheel

30

2.2.2

Knight  
Horses, Hittite



**Horseman**

Horseback Riding

30

2.1.2

Knight  
Horses



**Mounted Warrior**

Horseback Riding

30

3.1.2

Knight  
Horses, Iroquois

required advance

shield cost

attack.defend.move

upgrades to

resources, nationality

## Ground Units - Middle Ages



**Pikeman**  
Feudalism  
30  
1.3.1  
**Musketman**  
Iron



**Swiss Mercenary**  
Feudalism  
30  
1.4.1  
**Musketman**  
Iron, *Dutch*



**Medieval Infantry**  
Feudalism  
40  
4.2.1  
**Guerilla**  
Iron



**Longbowman**  
Invention  
40  
4.1.1 (2 def. bombard)  
**Guerilla**



**Berserk**  
Invention  
70  
6.2.1  
**Guerilla**  
*Viking*



**Crusader**  
Chivalry  
70  
5.3.1  
**Knights Templar**



**Musketman**  
Gunpowder  
60  
2.4.1  
**Rifleman**  
Saltpeter



**Musketeer**  
Gunpowder  
60  
2.5.1 (2 def. bombard)  
**Rifleman**  
Saltpeter, *French*



**Knight**  
Chivalry  
70  
4.3.2  
**Cavalry**  
Horses, Iron



**War Elephant**  
Chivalry  
70  
4.3.2 (+ 1 HP)  
**Cavalry**  
*Indian*



**Samurai**  
Chivalry  
70  
4.4.2  
**Cavalry**  
Iron, *Japanese*



**Rider**  
Chivalry  
70  
4.3.3  
**Cavalry**  
Horses, Iron, *Chinese*



**Keshik**  
Chivalry  
60  
4.2.2 (ignore mountains)  
**Cavalry**  
Horses, *Mongolian*



**Ansar Warrior**  
Chivalry  
60  
4.2.3  
**Cavalry**  
Horses, Iron, *Arabian*



**Conquistador**  
Astronomy  
70  
3.2.2 (all terrain as road, zone of control)  
*Spanish*



**Cavalry**  
Military Tradition  
80  
6.3.3 (zone of control)  
Horses, Saltpeter



**Cossack**  
Military Tradition  
80  
6.3.3 (blitz, zone of control)  
Horses, Saltpeter, *Russian*



**Sipahi**  
Military Tradition  
100  
8.3.3 (zone of control)  
Horses, Saltpeter, *Ottoman*  
required advance shield cost  
attack.defend.move  
upgrades to resources, *nationality*



## Ground Units - Industrial and Modern



**Rifleman**  
Nationalism  
80  
4.6.1  
[Infantry](#)



**Infantry**  
Replaceable Parts  
90  
6.10.1  
[Mech Infantry](#)  
Rubber



**Guerilla**  
Replaceable Parts  
90  
6.6.1 (3 def. bombard)  
[TOW Infantry](#)



**Paratrooper**  
Advanced Flight  
90  
4.9.1 (zone of control)  
[Modern Paratrooper](#)  
Oil, Rubber



**Marines**  
Amphibious Warfare  
120  
12.6.1 (zone of control)  
Rubber



**Modern Paratrooper**  
Synthetic Fibers  
110  
6.11.1 (zone of control)  
Oil, Rubber



**TOW Infantry**  
Rocketry  
120  
12.14.1 (6 def. bombard)



**Mech Infantry**  
Computers  
110  
12.18.2 (zone of control)  
Oil, Rubber



**Tank**  
Motorized Transport  
100  
16.8.2 (zone of control)  
[Modern Armor](#)  
Oil, Rubber



**Panzer**  
Motorized Transport  
100  
16.8.3 (blitz, z.o.c.)  
[Modern Armor](#)  
Oil, Rubber, [German](#)



**Modern Armor**  
Synthetic Fibers  
120  
24.16.3 (blitz, zone of control)  
Oil, Rubber, Aluminum  
required advance  
shield cost  
attack.defend.move (range)  
[upgrades to](#)  
resources, [nationality](#)

## Artillery Units



**Catapult**  
Mathematics  
20  
4.1.1  
[Trebuchet](#)



**Trebuchet**  
Engineering  
30  
6.1.1  
[Cannon](#)



**Cannon**  
Metallurgy  
40  
8.1.1  
[Artillery](#)  
Iron, Saltpeter



**Hwach'a**  
Metallurgy  
40  
8.1.1  
[Artillery](#)  
Saltpeter, [Korean](#)



**Artillery**  
Replaceable Parts  
80  
12.2.2  
[Radar Artillery](#)



**Radar Artillery**  
Robotics  
120  
16.2.2 (zone of control)  
Aluminum



**Cruise Missile**  
Rocketry  
60  
16.4.3  
Aluminum  
required advance  
shield cost  
bombard.range.firing rate  
[upgrades to](#)  
resources, [nationality](#)

## Naval Units



**Curragh**  
Alphabet  
15  
1.1.2

Galley



**Privateer**  
Magnetism  
60  
2.1.5  
(enslavement)

Iron, Saltpeter



**Frigate**  
Magnetism  
60  
2.2.5  
3.1.2

Iron, Saltpeter



**Man-O-War**  
Magnetism  
65  
4.2.5  
4.1.2

Iron, Saltpeter, *English*



**Galley**  
Mapmaking  
30  
1.1.3 - 2

Caravel



**Dromon**  
Mapmaking  
30  
2.1.3 - 2  
2.1.2

Caravel  
*Byzantines*



**Caravel**  
Astronomy  
40  
1.2.4 - 3

Galleon



**Ironclad**  
Ironclad  
90  
5.6.3  
6.1.2

Destroyer  
Coal, Iron



**Submarine**  
Mass Production  
100  
8.4.4

Oil



**Nuclear Sub**  
Fission  
140  
8.4.5  
(can carry 1 Tactical Nuke)

Uranium



**Destroyer**  
Combustion  
120  
12.8.8  
6.1.2 aa1

Oil



**Carrack**  
Astronomy  
40  
2.2.4 - 3

Galleon  
*Portuguese*



**Galleon**  
Magnetism  
60  
1.2.4 - 4

Transport



**Cruiser**  
Combustion  
160  
15.10.6  
7.1.2 aa1

AEGIS Cruiser  
Oil



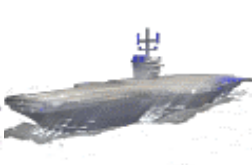
**AEGIS Cruiser**  
Robotics  
160  
15.10.7 (zone of control)  
6.2.2 aa3

Aluminum, Uranium



**Battleship**  
Mass Production  
200  
18.12.5  
8.2.2 aa2

Oil



**Carrier**  
Mass Production  
180  
1.8.7 - 4  
aa1

Oil



**Transport**  
Combustion  
100  
1.2.6 - 6

Oil

required advance  
shield cost  
attack.defend.move - carrying capacity  
bombard.range.firing rate anti-aircraft  
upgrades to  
resources, *nationality*

## Naval Transports

## Air Units



### Fighter

Flight  
80  
4.2.6  
3.6.1  
Oil

upgrades to: [Jet Fighter](#)



### Jet Fighter

Rocketry  
100  
8.4.9  
3.9.1  
Oil, Aluminum

## Anti-Aircraft Artillery



### Flak

Flight  
70  
1.6.1 aa2

upgrades to: [Mobile SAM](#)



### Mobile SAM

Rocketry  
100  
1.6.2 aa4

required advance  
shield cost  
a.d.m. anti-aircraft

## Nuclear Units



### F-15

Rocketry  
100  
8.4.9  
6.9.2

Oil, Aluminum,  
*American*



### Stealth Fighter

Stealth  
120  
8.6.12  
6.12.2

Oil, Aluminum



### Tactical Nuke

Space Flight  
300  
6

Aluminum, Uranium



### ICBM

Satellites  
500  
global

Aluminum, Uranium

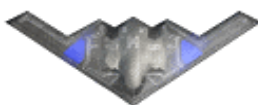
required advance  
shield cost  
range  
resources

## Air Transport



### Bomber

Flight  
100  
0.2.10  
12.10.3  
Oil



### Stealth Bomber

Stealth  
240  
0.5.16  
18.16.3

Oil, Aluminum

required advance  
shield cost  
attack.defend.move  
bombard.range.firing rate  
resources, *nationality*



### Helicopter

Advanced Flight  
100  
0.2.6  
Oil, Rubber  
can carry 3 units

required advance  
shield cost  
attack.defend.move  
resources

## Special Units



### Settler

30  
0.0.1

costs 2 population



### Worker

10  
0.0.1

costs 1 population



### Scout

10  
0.0.2

expansionist civs only,  
upgrades to [Explorer](#)



### Chasqui Scout

20  
1.1.2

ignore mountains, *Inca*,  
upgrades to [Explorer](#)



### Explorer

20  
0.0.2

requires Astronomy, treats  
all terrain as road











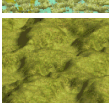
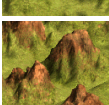




### Leader

0.0.3

requires victorious elite  
unit or first discovery of  
new technology

shield cost  
a.d.m.  
notes

# Terrain









	Move	Defense	F.S.C	Irrigation	Mines	Roads	Bonus	Resources	Luxury Resources	Strategic Resources	Remarks
	<b>Flood Plains</b>	1	10	3.0.0	+1		+1	Wheat			Causes disease
	<b>Grasslands</b>	1	10	2.0.0	+1	+1	+1	Cattle, Wheat, Tobacco	Wine	Horses	
	<b>Plains</b>	1	10	1.1.0	+1	+1	+1	Cattle, Wheat, Sugar	Wine, Ivory	Horses	
	<b>Desert</b>	1	10	0.1.0	+1	+1	+1	Oasis	Incense	Salt peter, Oil	
	<b>Tundra</b>	1	10	1.0.0		+1	+1	Game	Furs	Oil, Aluminum	
	<b>Forest</b>	2	25	1.2.0			+1	Game	Furs, Dye, Spice, Ivory, Silk	Uranium, Rubber	
	<b>Jungle</b>	3	25	1.0.0			+1	Fruit	Dye, Spice, Silk, Gems	Coal, Rubber	No wheeled units, Causes disease
	<b>Marsh</b>	2	20	1.0.0			+1	Cattle, Fish		Rubber, Oil	No wheeled units, Causes disease, No cities
	<b>Hills</b>	2	50	1.1.0		+2	+1	Gold, Sugar, Tobacco	Wine, Incense	Horses, Iron, Salt peter, Coal, Aluminum	
	<b>Mountains</b>	3	100	0.1.0		+2	+1	Gold	Gems	Iron, Salt peter, Coal, Uranium	No wheeled units, No cities
	<b>Volcano</b>	3	80	0.3.0							No wheeled units, No cities, Eruption
	<b>Lake</b>	1	10	2.0.2							Fresh water source (like rivers)
	<b>Coast</b>	1	10	1.0.2				Fish			
	<b>Sea</b>	1	10	1.0.1				Whale, Fish			

















**F.S.C** is Food.Shields.Commerce  
**Rivers** add 1 Commerce to adjacent squares  
**Grasslands** may have 1 shield  
**Railroads** add 1 to irrigation or mines



# Resources









F.S.C is the bonus given to Food, Shields and Commerce

Strategic	F.S.C	Terrain	Requires
	<b>Aluminum</b>	0.2.0 Hills, Tundra	Rocketry
<b>Needed for...</b> Modern Armor, Radar Artillery, Cruise Missile, AEGIS Cruiser, Jet Fighter, F-15, all stealth planes, all nukes, <i>Apollo Program</i> , <i>SAM Missile Battery</i>			
	<b>Coal</b>	0.2.1 Jungle, Hills, Mountains	Steam Power
<b>Needed for...</b> Ironclad, <i>Coal Plant</i> , <i>Iron Works</i> , <i>Railroads</i>			
	<b>Horses</b>	0.0.1 Grasslands, Plains, Hills	The Wheel
<b>Needed for...</b> Chariot, War Chariot, Three Man Chariot, Horseman, Mounted Warrior, Knight, Rider, Ansar Warrior, Keshik, Conquistador, Cavalry, Cossack, Sipahi			
	<b>Iron</b>	0.1.0 Hills, Mountains	Iron Working
<b>Needed for...</b> Swordsman, Legionary, Immortal, Gallic Swordsman, Pikeman, Swiss Mercenary, Medieval Infantry, Knight, Samurai, Rider, Ansar Warrior, Cannon, Privateer, Frigate, Man-O-War, Ironclad, <i>Coastal Fortress</i> , <i>Factory</i> , <i>Iron Works</i> , <i>Railroads</i>			
	<b>Oil</b>	0.1.2 Desert, Tundra, Marsh	Refining
<b>Needed for...</b> Paratroopers, Mech Infantry, all tanks, Transport, Carrier, Submarine, Destroyer, Cruiser, Battleship, all air units			
	<b>Rubber</b>	0.0.2 Forest, Jungle, Marsh	Replaceable Parts
<b>Needed for...</b> Infantry, Paratrooper, Marines, Mech Infantry, all tanks, Helicopter, <i>Mass Transit</i>			
	<b>Saltpeter</b>	0.0.1 Desert, Hills, Mountains	Gunpowder
<b>Needed for...</b> Musketman, Musketeer, Cavalry, Cossack, Sipahi, Cannon, Hwach'a, Privateer, Frigate, Man-O-War, <i>Coastal Fortress</i>			
	<b>Uranium</b>	0.2.3 Forest, Mountains	Fission
<b>Needed for...</b> Nuclear Sub, AEGIS Cruiser, Tactical Nuke, ICBM, <i>Nuclear Plant</i> , <i>Manhattan Project</i>			

Luxury	F.S.C	Terrain	Bonus	F.S.C	Terrain
	<b>Dyes</b>	0.0.1 Forest, Jungle		<b>Cattle</b>	2.1.0 Grasslands, Plains, Marsh
	<b>Ivory</b>	0.0.2 Plains, Forest		<b>Fish</b>	2.0.1 Coast, Sea, Marsh
	<b>Furs</b>	0.1.1 Tundra, Forest		<b>Fruit</b>	1.0.1 Jungle
	<b>Gems</b>	0.0.4 Jungle, Mountains		<b>Game</b>	2.0.0 Tundra, Forest
	<b>Incense</b>	0.0.1 Desert, Hills		<b>Gold</b>	0.0.4 Hills, Mountains
	<b>Silk</b>	0.0.3 Forest, Jungle		<b>Oasis</b>	2.0.0 Desert
	<b>Spice</b>	0.0.2 Forest, Jungle		<b>Sugar</b>	1.0.1 Plains, Hills
	<b>Wines</b>	1.0.1 Grasslands, Plains, Hills		<b>Tobacco</b>	0.0.1 Grasslands, Hills
				<b>Whales</b>	1.1.2 Sea
				<b>Wheat</b>	2.0.0 Flood Plains, Grasslands, Plains



# Governments

		Military Police Limit	Corruption and Waste	Production Bonus/Penalty	Hurry Method	Free Units	Draft Limit	War Weariness	Other
	<b>Anarchy</b>	0	catastrophic	only food is produced, -1 in squares with 3 food or more	none	all units are free	0	none	Workers 50% slower, no upkeep on improvements
	<b>Despotism</b>	2	rampant	-1 in squares with 3 or more food, shields or commerce	forced labor	4 per town 4 per city 4 per metropolis	2	none	
	<b>Feudalism</b>	3	problematic		forced labor	5 per town 2 per city 1 per metropolis	2	low	Units cost 3
	<b>Monarchy</b>	3	problematic		paid labor	2 per town 4 per city 8 per metropolis	2	none	
	<b>Communism</b>	4	communal		forced labor	6 per town 6 per city 6 per metropolis	2	none	Veteran spies
	<b>Fascism</b>	4	nuisance		forced labor	4 per town 7 per city 10 per metropolis	2	none	Workers 100% faster, Veteran spies, Deportation, Xenophobia
	<b>Republic</b>	0	nuisance	+1 commerce in squares already producing commerce	paid labor	1 per town 3 per city 4 per metropolis	1	low	Units cost 2
	<b>Democracy</b>	0	minimal	+1 commerce in squares already producing commerce	paid labor	none	1	high	Workers 50% faster, cities immune to propaganda

## Civ-Specific Abilities


















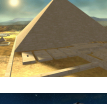



	Characteristics	Start with	Remarks
<b>Agricultural</b>	+1 food on base city square. Extra food on irrigated desert. Aqueduct, Recycling Plant, Solar Plant are cheaper.	Pottery	Masonry, for the Inca
<b>Commercial</b>	Large cities produce extra commerce. Levels of corruption are lower.	Alphabet	
<b>Expansionist</b>	Can build Scouts, start with one Scout. Barbarian villages are more lucrative.	Pottery	
<b>Industrious</b>	Large cities produce extra shields. Workers complete jobs faster.	Masonry	
<b>Militaristic</b>	Military improvements are cheaper. Units promoted more often.	Warrior Code	The Wheel, for Japanese
<b>Religious</b>	Religious improvements are cheaper. No anarchy between governments.	Ceremonial Burial	
<b>Scientific</b>	Scientific improvements are cheaper. One free advance at start of each era.	Bronze Working	
<b>Seafaring</b>	Water based improvements are cheaper. Bonus commerce in coastal cities. Ships move faster. Reduced chance of sinking.	Alphabet	Pottery, for the English

















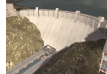

## Civilizations

	<i>Agricultural</i>	<i>Seafaring</i>	<i>Scientific</i>	<i>Religious</i>	<i>Militaristic</i>	<i>Industrious</i>	<i>Expansionist</i>
<i>Commercial</i>	Iroquois	English	Greek, Korean	Indian	Roman	French	Hittite
<i>Expansionist</i>	Inca	Portuguese	Russian	Arabian	Mongol, Zulu	American	
<i>Industrious</i>	Maya	Carthaginian	Ottoman, Persian	Egyptian	Chinese		
<i>Militaristic</i>	Aztec	Viking	German	Japanese			
<i>Religious</i>	Celtic	Spanish	Babylonian				
<i>Scientific</i>	Sumerian	Byzantine					
<i>Seafaring</i>	Dutch						

# Great Wonders






 Tourist Attraction



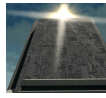
	Name - Cost - Culture	Charact.	Requires	
	<b>Colossus</b> - 200 - 3	Expansionist, Seafaring, Commercial	Bronze Working Obsolete after <i>Flight</i>	
	+1 commerce in squares producing commerce			
	<b>Statue of Zeus</b> - 200 - 4	Militaristic, Religious	Mathematics, <i>Ivory</i> Obsolete after <i>Metallurgy</i>	
	produces Ancient Cavalry every 5 turns			
	<b>Mausoleum of Mausollos</b> - 200 - 2	Scientific, Seafaring	Philosophy	
	makes 3 content citizens in city where it is built			
	<b>Great Wall</b> - 300 - 2	Militaristic, Industrious	Construction Obsolete after <i>Metallurgy</i>	
	City Wall in every city on continent, doubles combat vs. Barbarians			
	<b>Oracle</b> - 300 - 4	Religious	Mysticism Obsolete after <i>Theology</i>	
	doubles effects of Temples			
	<b>Hanging Gardens</b> - 300 - 4	Industrious, Agricultural	Monarchy Obsolete after <i>Steam Power</i>	
	3 content citizens, 1 content in all other cities			
	<b>Lighthouse</b> - 300 - 2	Expansionist, Seafaring, Commercial	Map Making Obsolete after <i>Magnetism</i>	
	+1 ship movement, Galleys travel safely at sea			
	<b>Knights Templar</b> - 300 - 2	Militaristic, Religious	Chivalry Obsolete after <i>Steam Power</i>	
	produces Crusader every 5 turns			
	<b>Great Library</b> - 400 - 6	Scientific	Literature Obsolete after <i>Education</i>	
	gives advances that two other Civilizations have			
	<b>Pyramids</b> - 400 - 4	Industrious, Religious, Agricultural	Masonry	
	Granary in every city on continent			
	<b>Copernicus' Observatory</b> - 400 - 4	Expansionist	Astronomy	
	doubles science output of city			

	Name - Cost - Culture	Charact.	Requires	
	<b>Magellan's Voyage</b> - 400 - 3	Expansionist, Commercial, Seafaring	Navigation	
	+1 ship movement			
	<b>Newton's University</b> - 400 - 6	Scientific	Theory of Gravity	
	doubles science output of city			
	<b>Shakespeare's Theater</b> - 400 - 8		Free Artistry	
	makes 8 content citizens in city where it is built			
	<b>Temple of Artemis</b> - 500 - 4	Religious	Polytheism Obsolete after <i>Education</i>	
	Temple in every city on continent			
	<b>Sun Tzu's Art of War</b> - 600 - 2	Militaristic	Feudalism	
	Barracks in every city on continent			
	<b>Smith's Trading Company</b> - 600 - 3	Commercial, Seafaring	Economics	
	pays upkeep for Harbors, Marketplaces, Banks and Airports			
	<b>J.S. Bach's Cathedral</b> - 600 - 6	Religious	Music Theory	
	makes 2 content citizens in all cities			
	<b>Leonardo's Workshop</b> - 600 - 2	Militaristic	Invention	
	halves unit upgrade costs			
	<b>Sistine Chapel</b> - 600 - 6	Religious	Theology	
	doubles effects of Cathedrals			
	<b>Theory of Evolution</b> - 600 - 3	Scientific	Scientific Method	
	two free civilization advances			
	<b>Hoover Dam</b> - 800 - 2	Industrious, Agricultural	Electronics	
	Hydro Plant in every city on continent			







## Great Wonders - continued








	Name - Cost - Culture	Charact.	Requires
	<b>Universal Suffrage</b> - 800 - 4 reduces war weariness in all cities	Agricultural	Industrialization
	<b>Manhattan Project</b> - 800 - 2 allows construction of nuclear weapons by all Civilizations	Militaristic, Industrious	Fission, <i>Uranium</i>
	<b>United Nations</b> - 1000 - 4 allows diplomatic victory	Commercial	Fission 
	<b>Cure for Cancer</b> - 1000 - 3 makes 1 content citizen in all cities	Scientific, Agricultural	Genetics

	Name - Cost - Culture	Charact.	Requires
	<b>Longevity</b> - 1000 - 3 cities grow by 2 citizens when the food storage box fills	Scientific	Genetics
	<b>SETI Program</b> - 1000 - 3 doubles science output of city	Expansionist	Computers
	<b>The Internet</b> - 1000 - 4 Research Lab in every city on continent	All	Miniaturization

## Small Wonders

	Name - Cost - Culture	Requires
	<b>Heroic Epic</b> - 200 - 4 increases likelihood of leaders appearing after victory	victorious army
	<b>Iron Works</b> - 300 - 2 doubles shield output in city, causes pollution (4)	<i>Coal</i> and <i>Iron</i> in city radius
	<b>Forbidden Palace</b> - 200 - 2 lowers corruption as if it were a second capital	8 cities on a standard map
	<b>Secret Police HQ</b> - 200 - 0 allows espionage missions	Espionage, <i>Communist government</i>
	<b>Wall Street</b> - 300 - 2 earn 5% interest on treasury each turn (maximum of 50)	5 Stock Exchanges
	<b>Military Academy</b> - 400 - 1 can build armies in city without a leader	Military Tradition, victorious army

	Name - Cost - Culture	Requires
	<b>Pentagon</b> - 400 - 1 armies can contain an extra unit	3 armies in the field
	<b>Intelligence Agency</b> - 400 - 1 allows espionage missions	Espionage
	<b>Apollo Program</b> - 500 - 2 allows spaceship construction	Space Flight, <i>Aluminum</i>
	<b>Strategic Missile Defense</b> - 500 - 1 75% chance of intercepting ICBM attacks	5 SAM Missile Batteries
	<b>Battlefield Medicine</b> - 500 - 1 military units can heal in enemy territory	5 Hospitals

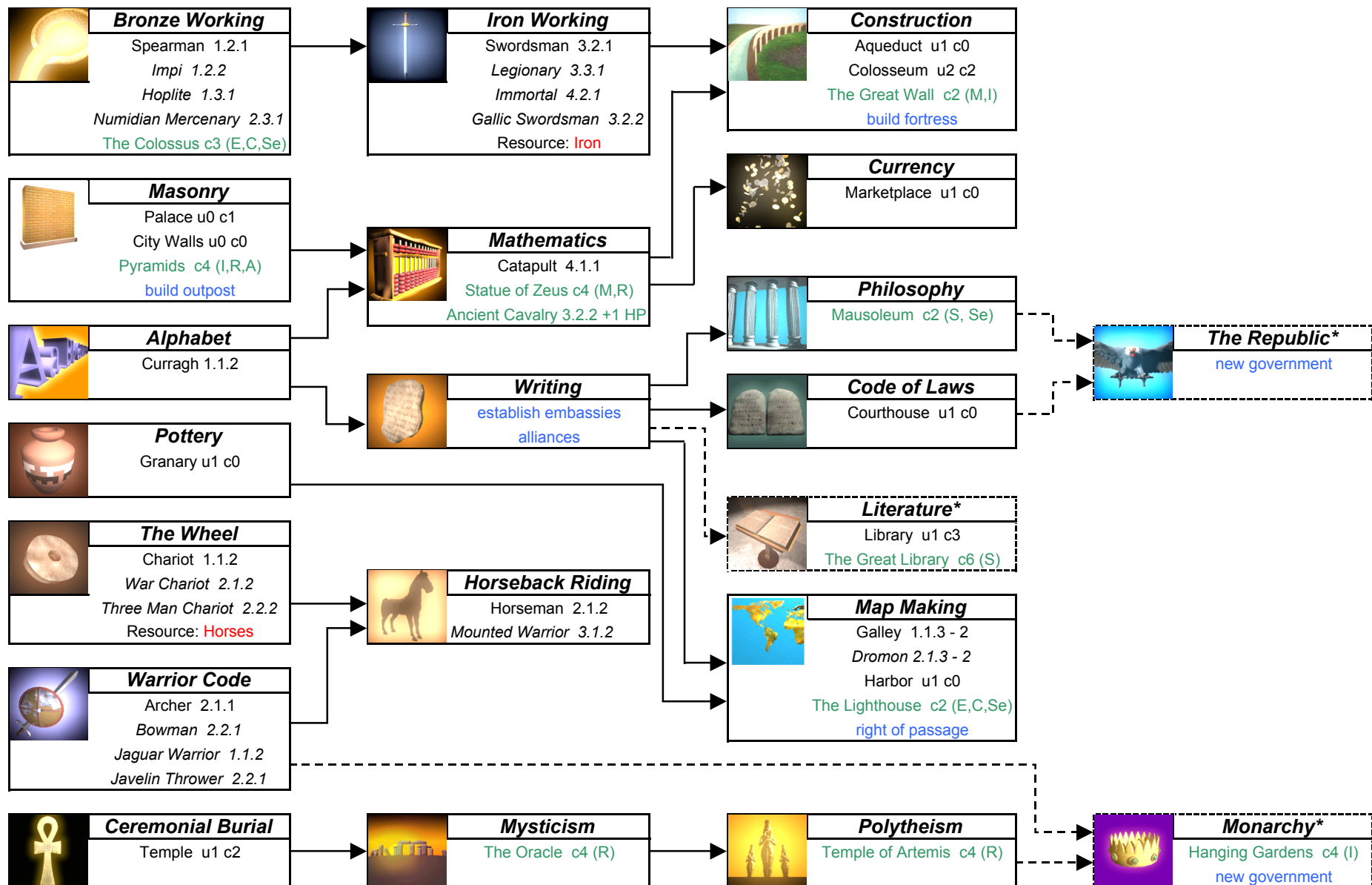


# City Improvements

(☠: Pollution)

Name	Cost	Upkeep	Culture	☠	Requires	Effect
Airport	160	2		1	Flight	produces veteran air units, trading hub, causes pollution
Aqueduct	100	1			Construction	allows population growth past size 6, for cities with no access to fresh water
Bank	160	1			Banking	50% increase to tax revenue
Barracks	40	1				produces veteran ground units
Cathedral	160	2	3		Monotheism	makes 3 content citizens
City Walls	20				Masonry	+50% against land attacks, defends against artillery bombardment, not needed past size 6
Civil Defence	120	1			Radio	+50% to defending units
Coal Plant	160	3		2	Industrialization, <i>Coal</i>	increases factory output by 50%, causes pollution
Coastal Fortress	40				Metallurgy, <i>Iron</i> , <i>Saltpeter</i>	+50% against naval attacks, defends against naval bombardment, and attacks enemy ships
Colosseum	120	2	2		Construction	makes 2 content citizens
Commercial Dock	160	2		1	Mass Production	increases trade in every water square within the city's radius, causes pollution
Courthouse	80	1			Code of Laws	reduces corruption, reduces effect of propoganda against city
Factory	240	3		2	Industrialization, <i>Iron</i>	50% increase to production, causes pollution
Granary	60	1			Pottery	halves food storage required for population growth
Harbor	60	1			Map Making	+1 food from coast, sea and ocean squares, produces veteran sea units, trading hub
Hospital	160	2			Sanitation	allows population growth past size 12
Hydro Plant	240	3			Electronics	increases factory output by 50%, requires a river, makes no pollution
Library	80	1	3		Literature	50% increase to science output
Manufacturing Plant	320	3		2	Robotics	50% increase to production, causes pollution
Marketplace	100	1			Currency	50% increase to tax revenue, increases effect of luxury resources
Mass Transit	200	2			Ecology, <i>Rubber</i>	reduces pollution from population
Nuclear Plant	240	3			Nuclear Power, <i>Uranium</i>	increases factory output by 150%, reduces pollution, requires fresh water, chance of meltdown
Offshore Platform	240	3		2	Miniaturization	+1 shield from coast, sea and ocean squares, causes pollution
Palace	varies		1		Masonry	center of civilization
Police Station	160	2			Communism	reduces war weariness, reduces corruption
Recycling Plant	200	2			Recycling	reduces pollution from production
Research Lab	200	2	2	1	Computers	50% increase to science output, causes pollution
SAM Missile Battery	80	2			Rocketry, <i>Aluminum</i>	defends against air bombardment
Solar Plant	320	3			Ecology	increases factory output by 50%, makes no pollution
Stock Exchange	200	3			The Corporation	50% increase to tax revenue
Temple	60	1	2		Ceremonial Burial	makes 1 content citizen
University	200	2	4		Education	50% increase to science output

# Ancient Times

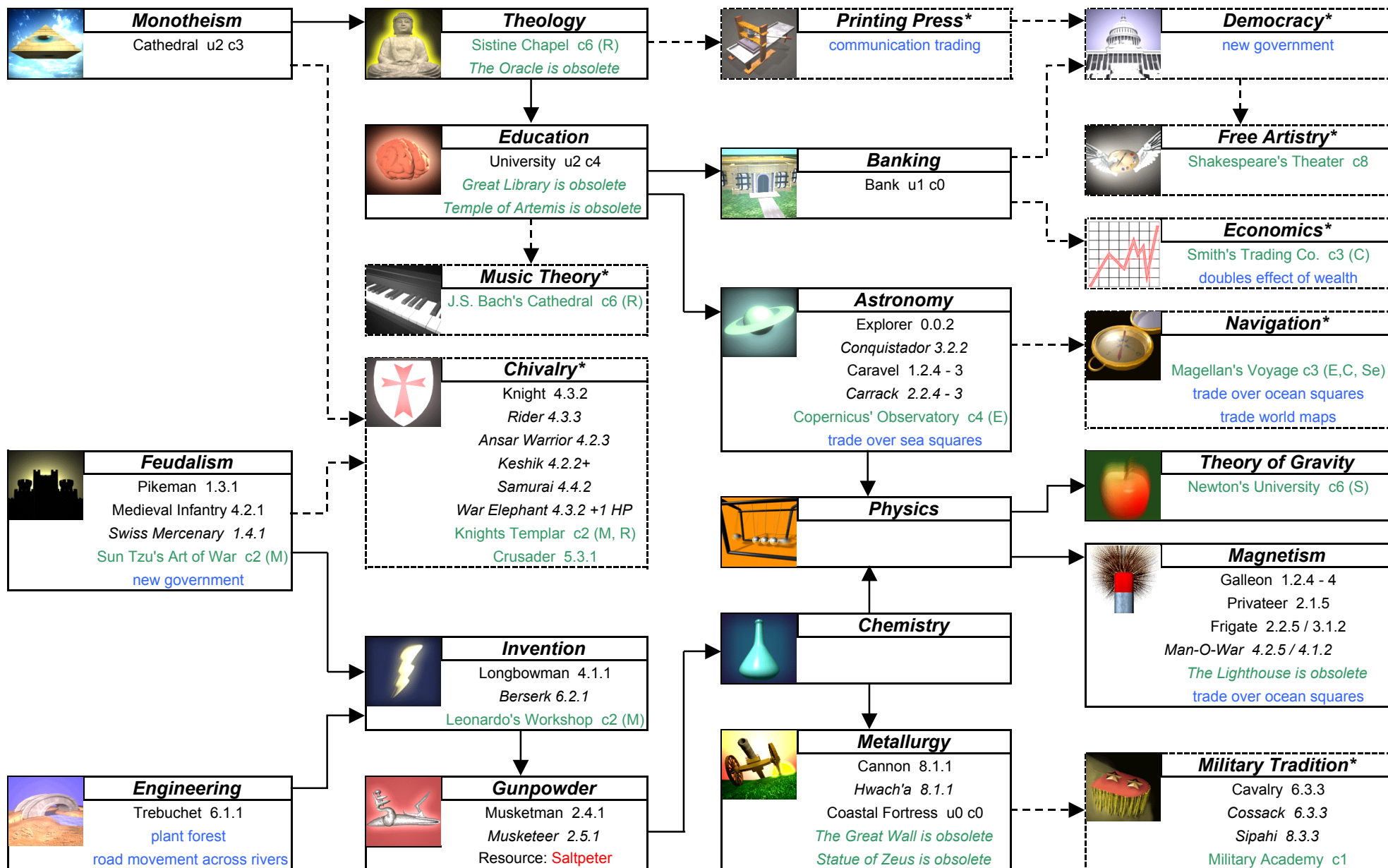


**Ground Units** attack.defend.move  
**Artillery Units** bombard.range.firing rate  
**Naval Transports** attack.defend.move - carrying capacity

**u** is upkeep per turn  
**c** is culture per turn  
**( )** is wonder characteristics

\* optional advance

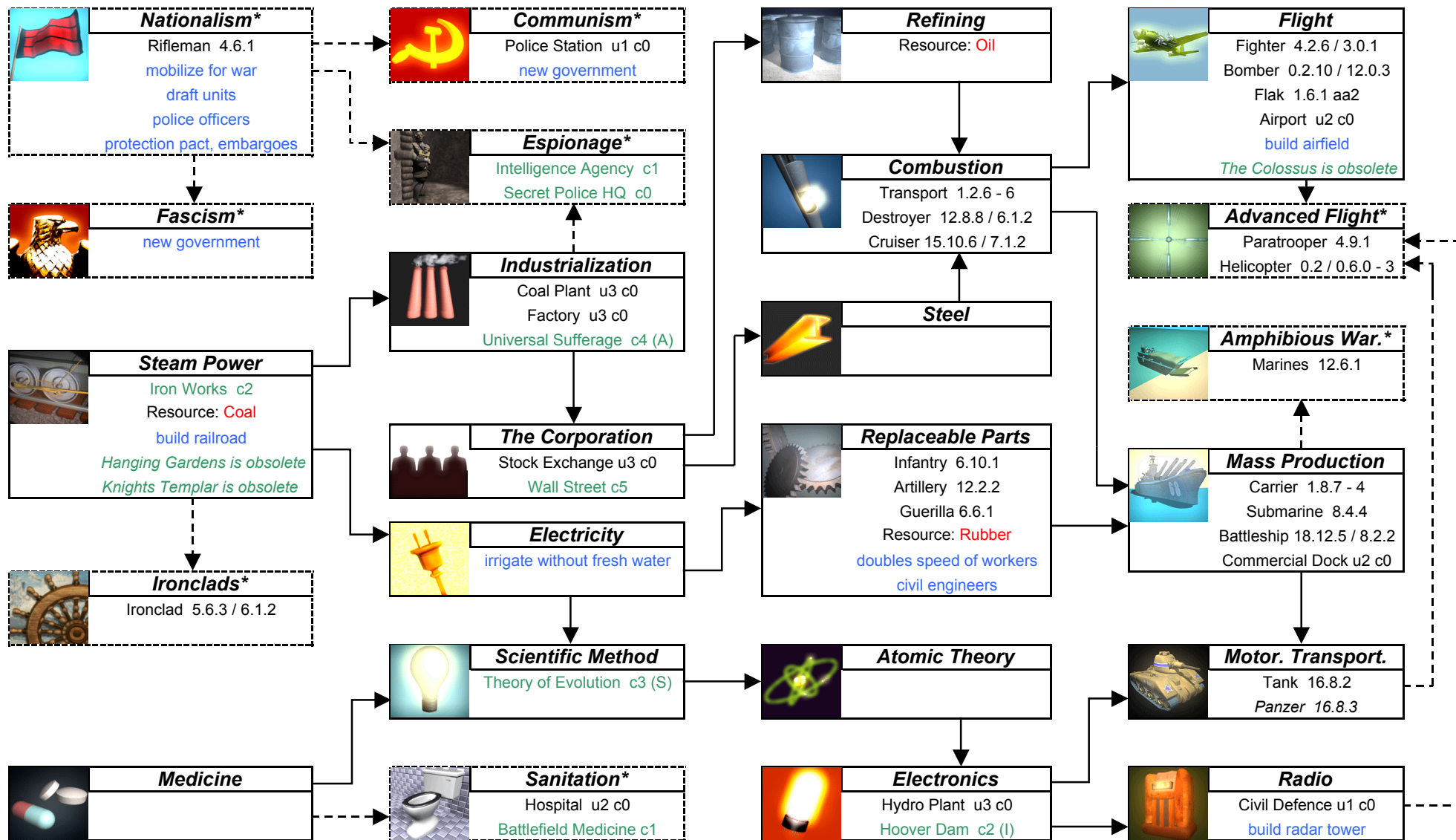
# Middle Ages



**Ground Units** attack.defend.move  
**Artillery Units** bombard.range.firing rate  
**Naval Transports** attack.defend.move - carrying capacity  
**Naval Units** attack.defend.move / bombard.range.firing rate

u is upkeep per turn    \* optional advance  
 c is culture per turn  
 ( ) is wonder characteristics

# Industrial Ages



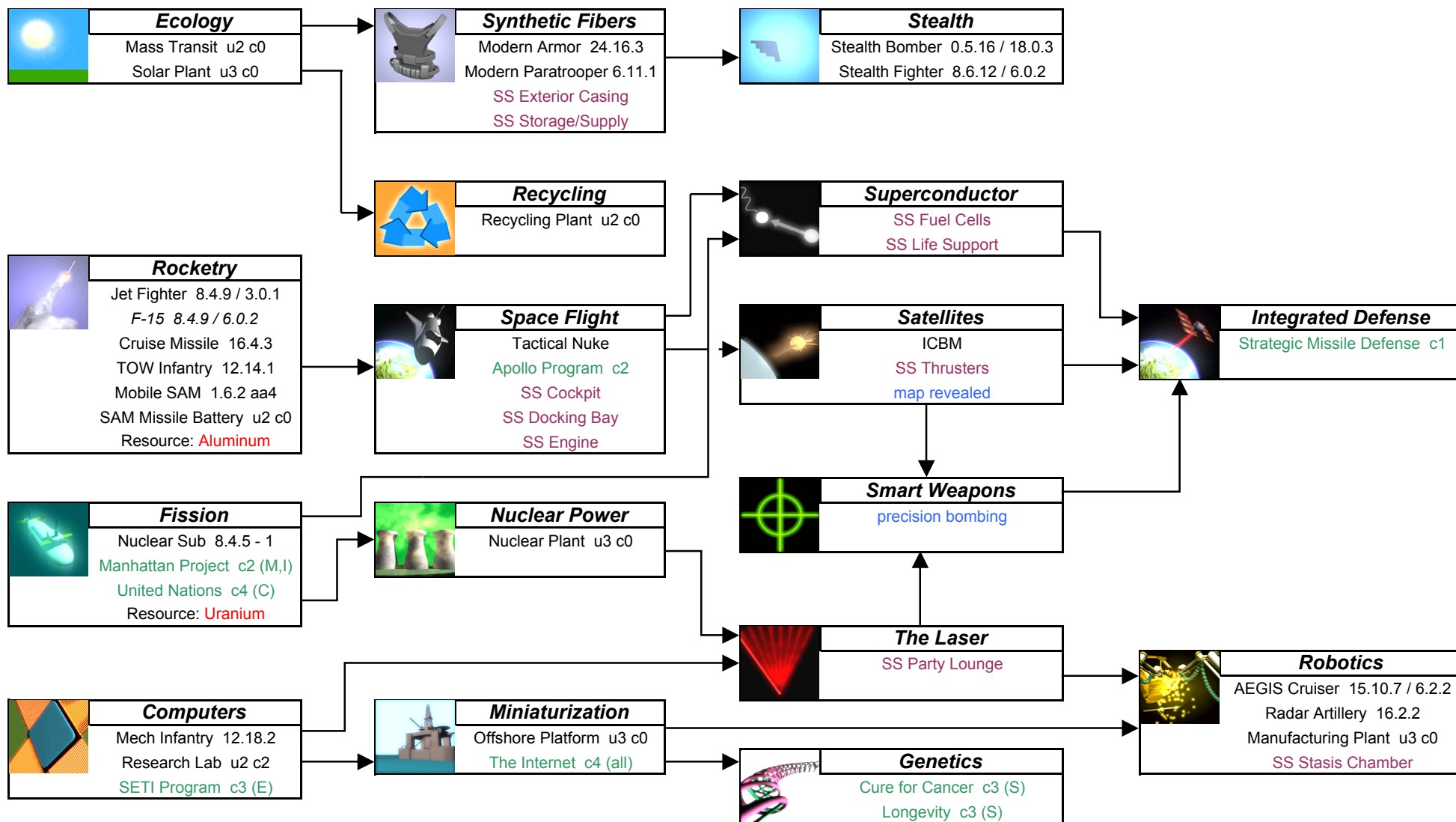
**Ground Units** attack.defend.move  
**Artillery Units** bombard.range.firing rate  
**Naval Transports** attack.defend.move - carrying capacity  
**Naval Units** attack.defend.move / bombard.range.firing rate  
**Air Units** attack.defend.move / bombard.range.firing rate

u is upkeep per turn  
c is culture per turn  
() is wonder characteristics  
aa Anti-Aircraft

\* optional advance



# Modern Times



**Ground Units** attack.defend.move  
**Artillery Units** bombard.range.firing rate  
**Naval Transports** attack.defend.move - carrying capacity  
**Naval Units** attack.defend.move / bombard.range.firing rate  
**Air Units** attack.defend.move / bombard.range.firing rate

u is upkeep per turn  
 c is culture per turn  
 ( ) is wonder characteristics  
 aa Anti-Aircraft