

Need to Know Books and Authors

George Orwell	Animal Farm, 1984
Ray Bradbury	Dandelion Wine, Something Wicked this Way , The Martian, Fahrenheit 451,
Charles Dickens	Pickwick Papers, Oliver Twist, A Christmas Carol, Hard Times, A Tale of Two Cities, Great Expectations
Ernest Hemmingway	Big Two-Hearted River, Hills Like White Elephants, The Snows of Kilimanjaro, For sale: baby shoes never worn
Edgar Allen Poe	The Cask of Amontillado, The Tell-Tale Heart, The Gold-Bug,

People from the French Revolution

Louis XVI	King of France during the revolution; member of the Bourbon Dynasty
Marie Antoinette	Queen of France during the revolution
Marquis de Lafayette	Fought under George Washington and helped establish France's military. Known as "The Hero of Two Worlds"
Napoleon Bonaparte	Became counsel and emperor after the French Revolution
Louis XVII	Younger brother of Louis XVI who's return to power marked the end of the French Revolution

Greek Heroes

Heracles (Hercules)	son of Alcmene and Zeus, which earned him the lifelong enmity of Zeus's wife Hera. Hera struck Heracles with a temporary madness so that he killed his wife Megara and their children. As penance, Heracles served King Eurystheus for ten years and completed twelve labors.
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Greek Heroes (cont)

Theseus	son of King Aegeus and the son of Poseidon. He was raised by his mother Aethra in Troezen, then as a young man took a land journey back to Athens, during which he defeated six foes, including the bandits Sinis, Sciron, and Procrustes
Perseus	son of Danaë and Zeus. Perseus's grandfather, King Acrisius of Argos, had heard a prophecy that his grandson would kill him, so he banished Danaë and Perseus by setting them adrift in a chest on the ocean.
Jason	son of Aeson, the rightful king of Iolcos who had been usurped by Jason's uncle Pelias. In an attempt to kill Jason, Pelias offered him the throne if he completed a quest to Colchis and retrieved the Golden Fleece.
Achilles	greatest Greek warrior during the Trojan War. He was the son of King Peleus and the Nereid Thetis, who dipped him in the River Styx as a child to make his body invulnerable, except for the heel by which she held him
Odysseus	king of Ithaca and one of the Greek leaders during the Trojan War. Odysseus originally tried to avoid the war by pretending to be insane, but was exposed when Palamedes put his son Telemachus in front of his plow.



Greek Heroes (cont)

Diomedes	king of Argos and a great Greek warrior, second only to Achilles in martial prowess during the Trojan War. Early in life, Diomedes's father Tydeus, who was a member of the Seven Against Thebes, was killed during a rebellion against the city.
Ajax the Great	massive and powerful Greek warrior during the Trojan War. Ajax fought with a massive shield made of cow-hide and bronze,
Bellerophon	demigod son of Poseidon. He rejected the advances of Queen Stheneboea, who then falsely accused him of assault.
Atalanta	abandoned on a mountain as a baby because her father wanted a son. She was raised by bears, which helped her become one of the greatest and fastest hunters.

Mountains

Mount Everest	border between Nepal and China straddles the summit of the Himalayan peak Mount Everest
K2	second-tallest mountain in the world; Pakistan and China
Denali (Mt.Mc-Kinley)	highest mountain in North America. It is in south--central Alaska
Mount Mitchell	Black Mountain subrange of the Appalachians
The Matterhorn	Switzerland and Italy
Mount Kilimanjaro	Tanzania; The Snows of Kilimanjaro
Mount Kenya	Kenya; second-tallest mountain in Africa
Mount Kosciuszko	Australia
Mount Fuji	Japan

Mountains (cont)

Mount Aconcagua	Argentina
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Presidential Scandals

Teapot Dome 1921-1929	Warren G. Harding leased out navy oil reserves in Wyoming for an extremely low price
Watergate 1972-1974	Richard Nixon had his supporting members break into the Watergate building to destroy incriminating evidence of a government coverup
Monica Lewinsky 1995-1999	Bill Clinton was impeached because he lied under oath about an affair he was having with Monica Lewinsky
The Whisky Ring 1871-1876	Whisky distillers in St. Louis bribed members of the government to get away with tax evasion

Geological Time Periods (Oldest to Newest)

Hadean Eon (4600 million years ago to 4000 mya)
Archean Eon (4000 to 2500 mya)
Proterozoic Eon (2500 mya to 541 mya)
Cambrian Period (541 mya to 485 mya)
Ordovician Period (485 mya to 444 mya)
Silurian Period (444 mya to 419 mya)
Devonian Period (419 mya to 359 mya)
Carboniferous Period (359 mya to 299 mya)
Permian Period (299 mya to 252 mya)
Triassic Period (252 mya to 201 mya)
Jurassic Period (201 mya to 145 mya)
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Cenozoic Era (66 mya to present)



Indian Tribes

Iroquois	upstate New York
Powhatan	eastern Virginia
Cherokee	southeastern United States
Seminole	Florida
Shawnee	Ohio Valley
Lakota Sioux	northern Great Plains
Shoshone	northern plains
Nez Perce	Pacific Northwest
Apache	southwest
Navajo	southwest

Circuit Components

Resistor	element that impedes the flow of current, creating a voltage drop
Capacitor	charge-storing disconnection in a circuit
Inductor	solenoid is a coil of wire. When electric current through the wire changes, a magnetic field is generated
Transformer	transformers are used to "step up" or "step down" voltage,
Source	any device that provides voltage or current
Ground	point on a circuit that is connected to the ground
Fuses and circuit breakers	protects the equipment in the circuit from being damaged by power surges
Switch	toggles between an open connection and a closed connection.
Diode	permits the flow of current in only one direction.
Rectifier	onverts AC or another variable signal into a positive--voltage signal

Organelles

Nucleus	"command central" of the cell because it contains almost all of the cell's DNA
Ribosomes	coordinate protein synthesis, or translation.
Mitochondria	double-membrane-bound organelles
Endoplasmic reticulum	tube-like membranes continuous with the nuclear envelope
Golgi apparatus	flattened, folded membranes that forms the Golgi apparatus acts as the "post office of the cell."
Lysosomes	digestive enzymes that break down proteins, lipids, carbohydrates, and nucleic acids.
Chloroplasts	Found only in plants and certain protists, the chloroplast contains the green pigment chlorophyll and is the site of photosynthesis.
Vacuoles	Found mainly in plants and protists, vacuoles are liquid-filled cavities enclosed by a single membrane. They serve as storage bins for food and waste products
Cilia and flagella	long, whip-like structures, while cilia are short, hair-like projections
Centrioles	Not found in plant cells, centrioles are paired organelles with nine sets of microtubule triplets in cross section. They are important in organizing the microtubule spindle needed to move the chromosomes during mitosis.

