

Science Chapter B2 Study Guide

- A compound machine is something that contains more than one simple machine.
- A force causes an object to change its motion.
- You would use a simple machine called an inclined plane to move a heavy box up a ramp.
- The force that pulls any two objects toward each other is gravity.
- A nail is an example of a wedge.
- Astronauts weigh less on the moon than on the Earth because the moon has less gravity than Earth.
- You are doing work when you carry the laundry downstairs.
- The force that slows down moving objects is friction.
- Battery powered cars use chemical energy.
- A child who is sitting on top of a slide has great potential energy.
- When a person starts to move, potential energy changes to kinetic energy.
- Electricity or other fuels are used to power most complex machines.
- Something that makes work easier is a machine.
- When you cut with a knife, you are using a simple machine called a wedge.
- A push or pull that causes something to change its motion is a force.
- Just after you kick a soccer ball, it has kinetic energy.
- Astronauts can jump high on the moon because the moon has less mass than the Earth.
- A force that occurs when two objects rub against each other is friction.
- A child who lifts a heavier object is doing more work.
- When you are at the top of a swing or a slide you have potential energy.
- When you are moving you have kinetic energy.