

FUN WITH ENERGY FOLLOW-UP

NAME DIFFERENT TYPES OF ENERGY.

Potential, Kinetic, Mechanical, Heat, Light, Electrical, etc.

WHAT IS ANOTHER NAME FOR POTENTIAL ENERGY?

Stored energy.

WHAT IS KINETIC ENERGY?

The energy of motion.

WHAT TYPES OF ENERGY DO WE GET FROM THE SUN?

Light, Heat, etc.

WHAT DO WE CALL LIGHT ENERGY FROM THE SUN?

Solar energy.

SOUND ENERGY IS AN EXAMPLE OF WHAT TYPE OF ENERGY?

Mechanical.

WHAT IS ENERGY?

"The stuff that makes things move."

WHAT TYPE OF ENERGIES DID JEFF USE TO MAKE RICE KRISPIES DANCE?

Static electricity and sound energy.

WHEN TWO THINGS ARE OPPOSITELY CHARGED HOW DO THEY BEHAVE TOWARD EACH OTHER?

They are attracted to each other.

WHEN THEN ARE LIKE CHARGED (both negative or both positive)?

They are repelled by each other.

LIGHTENING IS AN EXAMPLE OF WHAT TYPE OF ENERGY?

Static electricity.

WHAT DOES MATTER DO WHEN IT HEATS UP?

It expands.

WHAT CAUSES OUR HANDS TO HEAT UP WHEN WE RUB THEM TOGETHER?

Friction.

WHAT DO WE USE IN CAR ENGINES TO HELP REDUCE FRICTION?

Oil.

WHAT DO WE CALL THE VIBRATIONS CAUSED BY SOUND ENERGY?

Resonance.

WHAT DOES THE LAW OF CONSERVATION OF ENERGY STATE?

That energy can neither be created nor destroyed; but it can be changed from one type of energy to another.

WHAT IS NEWTON'S THIRD LAW OF PHYSICS?

For every action there is an equal and opposite reaction.

WHAT NATURAL FORCE CAUSES OBJECTS TO FALL?

Gravity.

IF YOU HAVE TWO OBJECTS OF THE SAME SHAPE BUT DIFFERENT WEIGHTS, WILL THEY DROP AT THE SAME SPEED?

Yes.

WILL THEY LAND WITH THE SAME AMOUNT OF ENERGY.

No.

IF IT WEREN'T FOR THIS TYPE OF ENERGY WE WOULD NOT BE ABLE TO LIVE ON EARTH.

Light/Solar Energy.