**What is Energy?**

Multiple Choice

1. Define energy.

a) Energy is the ability to do work and make things happen.

b) Energy is the way we interpret our world.

c) Energy is the ability to compare and contrast things.

d) Energy only explains how things get hot and cold.

1. A penguin named Katie pushes another penguin into the water.

Identify if this counts as work being done.

a) Yes

No

1. Jaime blinks.

Identify if this counts as work being done.

a) Yes

b) No

1. A small rock sits in the middle of a desert for 300 years without moving.

Identify if the rock does work.

a) Yes

b) No

1. Denis has found a pumpkin lying on the ground. It's not really doing anything, mainly because it is not alive. Identify if this pumpkin has energy.

a) Yes

b) No

1. State which basic form of energy is seen as movement, or is used to create movement.
2. Kinetic Energy
3. Potential Energy
4. Identify which basic form of energy is stored in objects.
5. Potential Energy
6. Kinetic Energy

Fill in the blanks

1. Use the following words to fill in the gaps.

**work, everywhere, happen**

Energy is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and within everything. It is the ability to do \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and make things \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. Use the following words to fill in the gaps.

**Kinetic, energy, Potential**

Kinetic energy and potential energy are two of the basic forms of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy is the energy that is associated with movement.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy is the energy that is stored in an object.

Short Answer

1. **State the two basic forms of energy**
2. **List three objects around you that have kinetic energy.**
3. **List three objects around you that have potential energy.**
4. **Everything has energy, including your favourite hobbies! Some may even involve more than one type of energy. State which of the two energy types covered in this lesson your favourite hobby involves. Specify which exact forms energy is transformed into.**