

Energy in Motion Review

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Understanding Kinetic Energy

Name: _____

Date: _____

Answer the following questions based on the lesson about kinetic energy.

1. What is kinetic energy?

2. What happens to the kinetic energy of an object if it moves faster?

- A. It decreases
- B. It stays the same
- C. It increases

3. God does not play a role in the motion of objects.

True False

4. When a marble rolls down a hill, it has ____ energy.

5. How do moving objects show energy? Give an example.

6. Which of the following is an example of energy in motion?

- A. A tree
- B. A running dog
- C. A rock on the ground

7. Energy can transfer between objects when they collide.

True False

8. In Colossians 1:17, it says that in Him, all things ____ together.

9. What did the marble motion experiment help us explore?

- A. How to make marbles
- B. How marbles transfer energy
- C. How to color marbles

10. Can you think of things moving in nature that show kinetic energy?

Answer Key

1. Kinetic energy is the energy that an object has because it is moving. 2. It increases 3. False 4. kinetic 5. Moving objects show energy because they can do work, like knocking over another object. For example, a rolling ball can knock down a set of pins. 6. A running dog 7. True 8. hold 9. How marbles transfer energy 10. Yes, I can think of running rivers, flying birds, and cars driving on the road. All of these show kinetic energy because they are moving.
