Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class \_\_\_\_\_\_\_\_ Date 2/26/20

Kinetic and Potential Energy

1. Which of the following is the best definition of kinetic energy?

a. Energy of chemical bonds

b. Energy of objects with heat

c. Energy that is stored

d. The energy of movement

1. Which of the following is the best definition of potential energy?

a. Energy of chemical bonds

b. Energy of objects with heat

c. Energy that is stored

d. The energy of movement

1. How much energy can transform from potential to kinetic?

a. More than 100%

b. 100%

c. less than 100%

1. Which of the following are all forms of energy?

a. light, sound, heat, inertia

b. chemical potential, friction, gravitational pull

c. light, mechanical, electrical, friction

d. light, mechanical, electrical, heat

1. Give two examples of kinetic energy

a.

b.

1. Give two examples of potential energy

a.

b.

Use the illustration below to answer the following questions (7 – 8). The person in the illustration below drops a ball from a cliff.

A

B

1. At which point in the illustration does the ball have the most potential energy? Explain why.
2. At which point in the illustration does the ball have the most kinetic energy? Explain why.
3. Explain how potential and kinetic energies are used to make a roller coaster move along a track.