**36 Energy Article Questions.**

**1**. What do cars, bicycles, and many other types of transportation do when they are in motion?

**A** They take one form of energy and convert it into another form of energy.

**B** They clog the streets of New York City and create lots of traffic.

**C** They cause people to sweat because of the energy it takes to use such transportation.

**D** They make people spend more time outside and increase their body temperatures.

**2**. What does the author describe in this passage?

**A** The author describes different types of t-shirts.

**B** The author describes reasons for moving to New York City.

**C** The author describes two types of energy.

**D** The author describes the dangers of riding in taxis.

**3**. A person on a bicycle is breathing hard, sweating, and pedaling fast.

Based on this evidence, the person is probably

**A** moving very slowly

**B** exerting a lot of energy

**C** exerting a little energy

**D** exerting no energy

**4**. When you step from a hot street into an air-conditioned room, you feel cooler. Why

does this change occur?

**A** heat is moving from a cold area (the room) to a hotter area (the street)

**B** heat leaves your body as it moves from a warm area (your body) to a colder

area (the air in the room)

**C** the motion energy used to walk into the room lowers your body temperature

**D** the motion energy used to walk into the room raises your body temperature

**5.** What is this passage mainly about?

**A** forward motion and backward motion

**B** cars and air conditioning

**C** 100-degree heat, t-shirts, and sweatshirts

**D** motion energy and heat energy

**6**. Read the following sentences: “. . . a person who is wearing a sweatshirt in summer is likely to get much hotter than a person who is wearing a t-shirt. This is because the sweatshirt **insulates** the person, trapping heat inside.”What does the word **insulates** mean in the sentence above?

**A** protects the person by keeping the person cool

**B** protects the person by preventing the loss of heat

**C** traps the person

**D** makes the person uncomfortable

**7**. Choose the answer that best completes the sentence below.

A person’s body temperature rises \_\_\_\_\_\_\_ he or she rides a bicycle.

**A** although

**B** before

**C** then

**D** when

**8**. According to the passage, how does the human body get rid of heat energy to keep

itself cool when the temperature is high?

**9**. According to the passage, where does the energy that propels a bicycle forward come

from?

**10**. Why can a bicycle be considered a device that can convert energy?