

**Activity 1: Notions about Motion Energy**

Name \_\_\_\_\_

Date \_\_\_\_\_

Class \_\_\_\_\_

**Chapter Key Questions**

---

---

---

**Chapter Purpose**

1. Write down three activities in the video that you would like to learn more about.

---

---

---

**We Think**

1. The goalie throws the ball with both arms, sending the ball flying through the air. How did the ball get its motion energy? Where did it come from?

My answer:

---

---

---

Another student's answer:

---

---

---

2. The ball is caught by the net. What happened to the ball's motion energy? Where did it go?

My answer:

---

---

---

Another student's answer:

---

---

---



3. A baseball player slides headfirst toward the base. What makes the player slow down? What happened to his motion energy?

My answer:

---

---

---

Another student's answer:

---

---

---

4. A parachute is let out behind a drag-racing car. What makes the car slow down? What happened to the car's motion energy?

My answer:

---

---

---

Another student's answer:

---

---

---

### **Our Class Ideas**

1. If an object increases in motion energy, where do you think the additional energy comes from?

---

---

2. If an object decreases in motion energy, where do you think the energy goes?

---

---

3. In all of these scenes, the motion energy of an object *changes*. What do all of these scenes have in common that makes the motion energy of the objects change?

---

---