

PRACTICE

Activity 4: Friction and Backward Forces

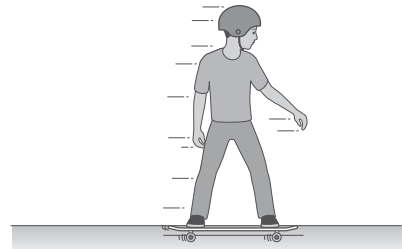
Name _____

Date _____

Class _____

1. Suppose a person is coasting forward on a skateboard when a big gust of wind blows against him.

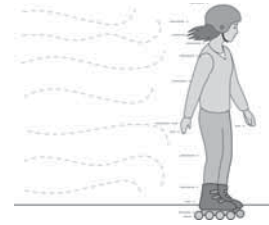
a) How will the wind affect his motion?



b) Use evidence from the activities to support your answer.

c) On the image above, draw and label a force arrow to represent the force exerted by the wind on the skateboarder.

2. Suppose a person is coasting forward on blade skates when a big gust of wind blows against her back.



a) How will the wind affect her motion?

b) Use evidence from the activities to support your answer.

c) On the image above, draw and label a force arrow to represent the force exerted by the wind on the image of the skater.

3. Suppose you are flying a paper airplane.



a) How will the interaction between the air and the airplane affect the airplane's motion?

b) Use evidence from the activities to support your answer.

c) On the image above, draw and label a force arrow to represent the force exerted by the air on the airplane.