

Name: _____

Date: _____

What Can A Force Do?

Complete the sentences below by adding the correct words based on what was taught in class.

We have learned that forces are pushes and pulls that can cause movement. But this does not mean that they can only move something in a line. A force can make an object go _____ or _____. A force can also change the _____ that the object is moving. The _____ of an object can also be changed by a force.

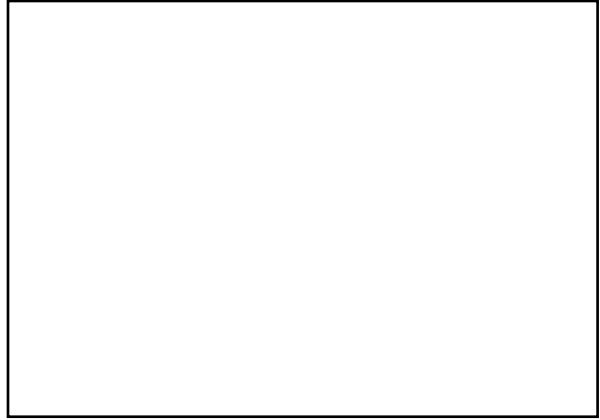
Let's Try It!

1. Form an experiment group of three students.
2. Get one toy car and one ball of clay for your group.
3. Play with the clay and determine how you can make forces that change the shape of the clay.
4. Use forces to change the speed of a toy car. Try to make the car move faster and slower.
5. Using the same toy car, try to change the direction of movement with a force.
6. Record your observations on this paper.

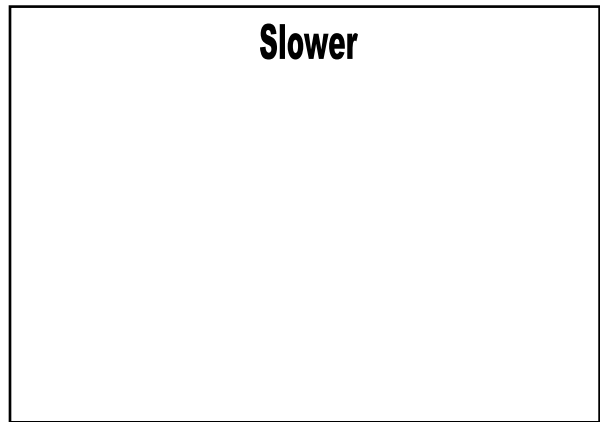
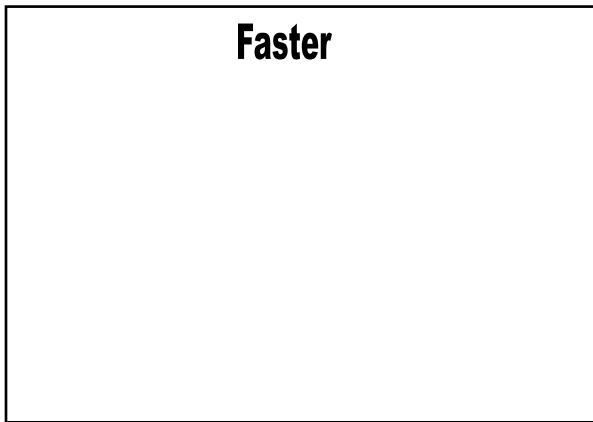
How did you change the shape of the clay?

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Draw the ball of clay and use arrows to represent forces. In your drawing show how you made the force change the shape. Do two examples.



Draw the toy car and use arrows to represent forces. In your drawing show how you made it change speed.



Draw the toy car and use arrows to represent forces. In your drawing show how you made it change direction.

