

Name: _____

Content Check

Read and answer the questions below.

1. Imagine you have a small magnet and a large magnet. You have a pile of staples and a pile of steel rods. Which magnets would you use to pick up which pile and why?

2. Describe why a MAGLEV train levitates or floats on a track. You can draw a picture to help explain.

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Teacher Key

1. Imagine you have a small magnet and a large magnet. You have a pile of staples and a pile of steel rods. Which magnets would you use to pick up which pile and why?

Use the small pile to pick up the staples because you do not need a large magnetic force to pick up small staples. Use a large magnet to pick up a pile of steel because you need more magnetic force.

2. Describe why a MAGLEV train levitates or floats on a track. You can draw a picture to help make your point.

A MAGLEV train levitates or floats because the poles on magnets on the train tracks and on the train repel each other. The train uses large, industrial magnets so that the force is super strong to keep up the heavy train.