

Forces

WORKSHEET 5.2

Name _____	Date _____
Unit _____	Lesson _____

1. Fill in the blanks with the correct word from the box.

man-made	without	mineral	towards	non-contact	moves		
shapes	magnet	natural	pull	force	steel	magnetic field	attract

Magnets have a _____ called magnetism. This can be a push or a _____ force. Magnetism is a _____ force because a magnet _____ an object _____ touching it. Some magnets are _____. For example, the _____ magnetite is a natural _____. Most magnets are _____. They are made from iron and _____ and can be different _____. Magnets create a _____ around them. We cannot see these forces but they _____ objects made of iron and steel. We can see the objects moving _____ the magnet.

2. Use the completed paragraph above to help you answer these questions.

- a) Can you describe magnetism? _____

- b) Why is magnetism a non-contact force? _____

- c) What are magnets made of? _____

- d) What is magnetite? _____

3. Draw a picture for each description.

Two magnets repelling each other.	Compass indicating north.	A huge magnet picks up a car in a junkyard.	A boy playing the <i>Fishing for Ducks</i> game at the fair.

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1. Fill in the blanks with the correct word from the box.

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Magnets have a **force** called magnetism. This can be a push or a **pull** force. Magnetism is a **non- contact** force because a magnet **moves** an object **without** touching it. Some magnets are **natural**. For example, the **mineral** magnetite is a natural **magnet**. Most magnets are **man-made**. They are made from iron and **steel** and can be different **shapes**. Magnets create a **magnetic field** around them. We cannot see these forces but they **attract** objects made of iron and steel. We can see the objects moving **towards** the magnet.

2. Use the completed paragraph above to help you answer these questions.

- Can you describe magnetism? **Magnetism is a non-contact, push or pull force that moves an object without touching it.**
- Why is magnetism a non-contact force? **Because it moves objects without touching them.**
- What are magnets made of? **Man-made magnets are made of steel and iron. Natural magnets are made of magnetite.**
- What is magnetite? **Magnetite is a mineral, a natural magnet.**

3. Draw a picture for each description. **Student's own answers.**

Two magnets repelling each other.	Compass indicating north.	A huge magnet picks up a car in a junkyard.	A boy playing the <i>Fishing for Ducks</i> game at the fair.