**Non-Contact Forces wizer.me** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_

<https://app.wizer.me/preview/IBTJKC>

**Two Types of Forces**

1. Contact forces only act between objects that are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ touching each other.
2. List three examples of contact forces.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Non- contact forces act between objects that are \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. List three examples of contact forces.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Could a magnet move a metal object without touching it? No or Yes
2. As a piece of paper slowly falls to the ground, what type of forces act on the paper? (hint: there are 2)

**Magnetic Field**

1. Where on the magnet would be the strongest? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Which poles of a magnet attract? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What Causes Magnetism?**

1. What part of the atom helps to create the magnetic field? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are groups of atoms lines up inside a material, which cause the material to be magnetized.

**Earth’s Magnetic Field**

1. Sketch a Picture of Earth and the magnetic field surrounding the planet. You must label: Earth, Geographic North Pole, Geographic South Pole, Magnetic North, and Magnetic South

**Compasses**

1. Why does the needle on the compass turn as it moves around the bar magnet?
2. How does the Earth’s magnetic Field affect a compass needle?
3. Describe what you think would happen if a bar magnet was hung by a string and able to turn freely.