Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**EARTH AS A MAGNET WORKSHEET**

**PRE- QUESTIONS – You may not know the answer to some of these right away –COME BACK TO THEM**

1. Draw the domain of an unmagnetized bar magnet

2. Draw a magnetic field around a bar magnet

3. Design an experiment which would allow you to see a magnetic field.

4. What are the two main categories of magnets? What is different about them?

There are \_\_\_\_\_ major ways to lose magnetism

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

These knock \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ out of line.

Magnetic Field lines are \_\_\_\_\_\_\_\_\_\_\_\_ lines the surround \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_.

They will \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_.

The \_\_\_\_\_\_\_\_\_\_\_ the lines are the \_\_\_\_\_\_\_ the force.

The biggest magnet around us is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

As a result it produces magnets from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ materials.

**Magnetic Declination**

-\_\_\_\_\_\_\_\_\_\_\_\_\_ poles do not always stay put

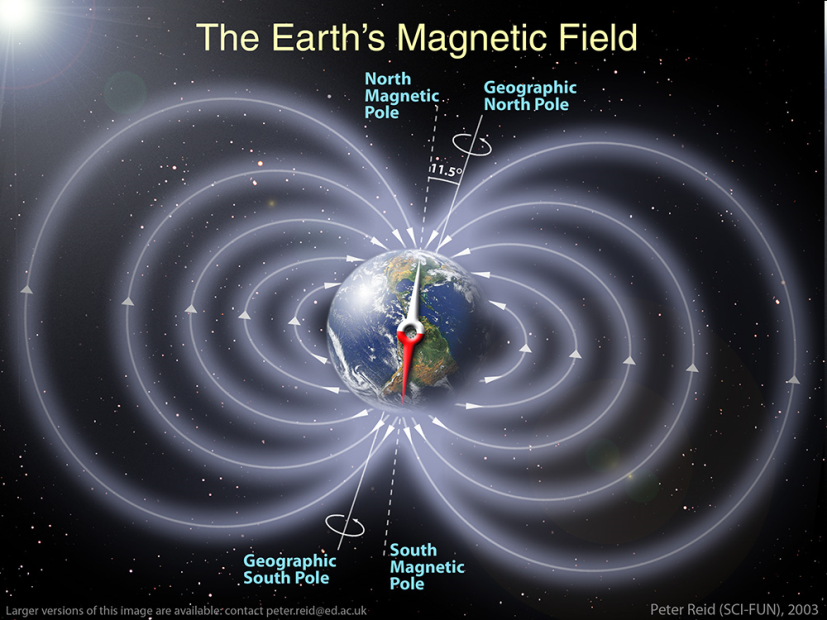
- \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ is the movement of these poles

- \_\_\_\_\_\_\_\_\_\_\_\_ POLES MOVE, THE \_\_\_\_\_\_\_\_\_ POLES DO NOT

Magnetic Declination is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Secular Variation is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solar winds are \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ particles shooting at Earth

Solar Winds are stopped by Earth’s \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

**Earth in comparison!**

Earth’s Magnetic field is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ - regions on earth of \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ trapped at high speeds.

 **DRAW THE MAGNETOSPHERE BELOW**