

### **Homework Questions: Set 2**

1. Any magnet, no matter what its shape, has two ends, each one called a(n) \_\_\_\_\_.
2. Where is the magnetic force of a magnet strongest?
3. How are magnetic poles labeled?
4. Compare the table below by writing whether the magnets in each pair described in the first column will repel or attract each other.

Situation	Repel or Attract?
Two south poles are brought near each other.	a.
A north pole is brought near a south pole.	b.
Two north poles are brought near each other.	c.
A south pole is brought near a north pole.	d.

5. What is magnetic force?
6. The region of magnetic force around a magnet is known as its \_\_\_\_\_.
7. Draw a magnetic force around the illustration of the bar magnet shown below.



8. When the magnetic fields of two or more magnets overlap, what is the result? freely?