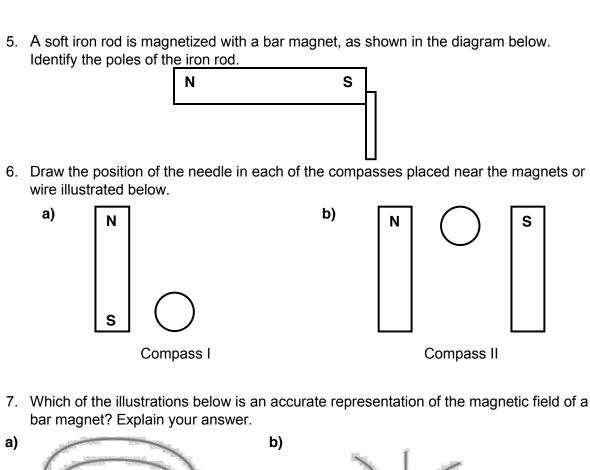
Magnetism worksheet

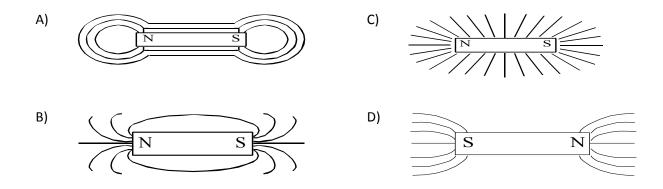
N	S	S	N	S	N
Draw a magr	netic field for (each of the fol	lowing exam _l	ples.	
N		S	N		
	N	S	S	N	
		N			
		ompasses. In e		draw the needle: t.	s of the
		ŀ)		

a)

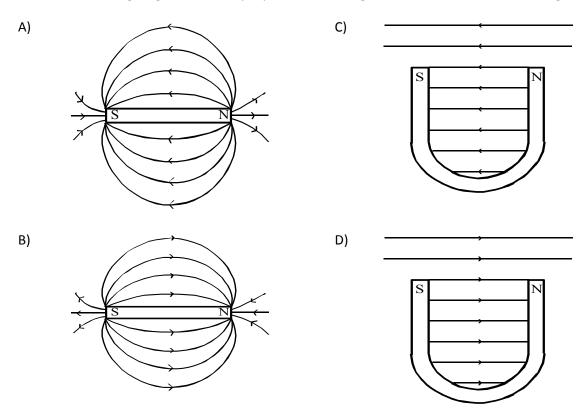


b) b)

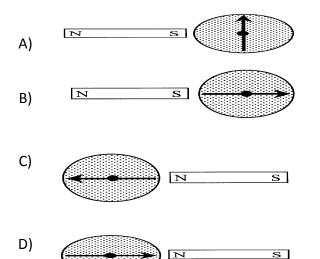
8. Maria sprinkles iron filings on a piece of cardboard placed on top of a bar magnet. Which configuration will the iron filings take?



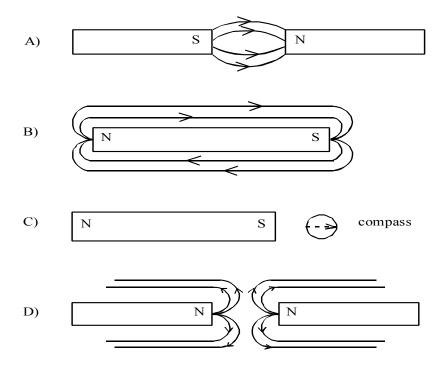
9.A magnet is surrounded by a magnetic field which is shown by lines of force. Which one of the following diagrams correctly represents the magnetic lines of force around a magnet?



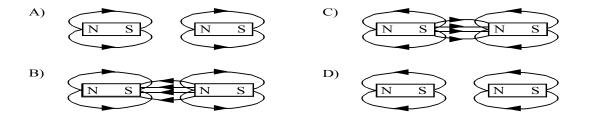
10. Which of the following diagrams correctly shows the direction in which the compass needle will point?



11. Among the following diagrams, which correctly illustrates a magnetic field?



12. Two magnets are placed end to end. Which diagram correctly illustrates the magnetic fields around these magnets?



- 13. A magnet creates what is known as a magnetic field. A compass can be used to show the magnetic field. Which of the following statements are true?
- 1. If a bar magnet is broken in two, each piece will only have one magnetic pole.
- 2. Like poles repel each other.
- 3. The needle of a compass is a small magnet.
 - A) 1 and 2 B) 1 and 3 C) 2 and 3 D) All are true