

Nova's Magnetic Adventure

Learning objective: To identify magnetic materials and understand how magnets interact with each other.

Nova the owl is exploring her workshop. She has a box of objects. Look at the list of objects below. Decide if each one is 'Magnetic' (attracts to a magnet) or 'Non-magnetic' (does not attract). Draw a line to match the item to the correct group, or write the name in the box provided.

Word bank: iron · plastic · wood · steel · paper · metal

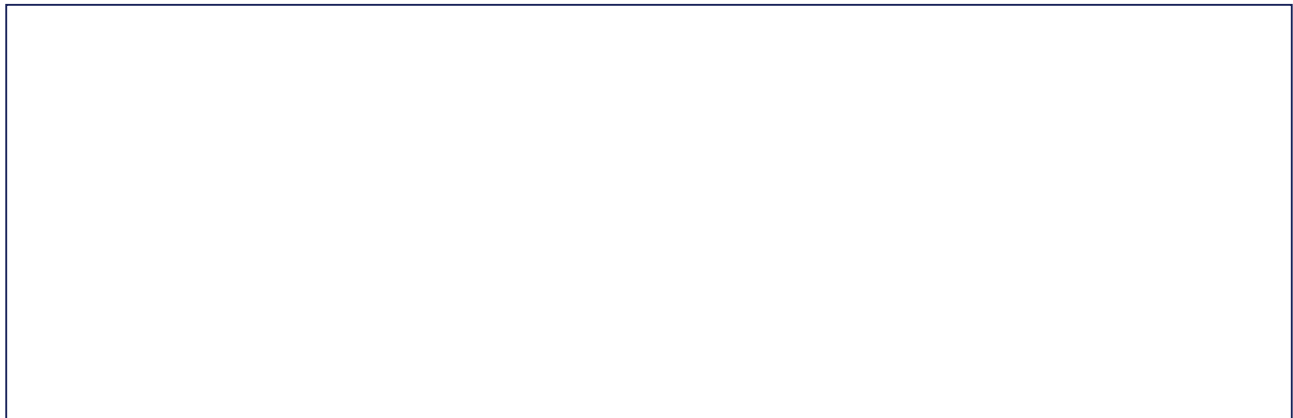
1. 1. A paperclip is made of steel. Is it magnetic or non-magnetic? (Fill in the blank: It is _____) (1 mark)

2. 2. Nova has a plastic ruler. Will a magnet pick it up? (Circle: Yes / No) (1 mark)

3. 3. Magnets have two ends. What do we call these ends? (Hint: Like a compass, they are North and _____) (1 mark)

4. 4. If two North poles face each other, what happens? (They push apart or 'repel'. They pull together or 'attract'?) (2 marks)

Draw: Draw a picture of a magnet picking up a shiny paperclip. Show the invisible magnetic force using dashed lines.



Extension challenge: Nova found a mystery metal coin. If you had a magnet, how could you test if the coin is made of iron or steel?