

SCIENCE STARTERS

Matter



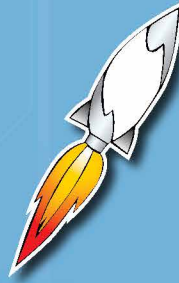


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Matter on a Cold Day



You put on your coat and step outside. It is so cold you can see your breath. Snow melts into water droplets on your gloves.



Do you know what
your coat, your breath,
and water droplets
have in common?
They are all matter!



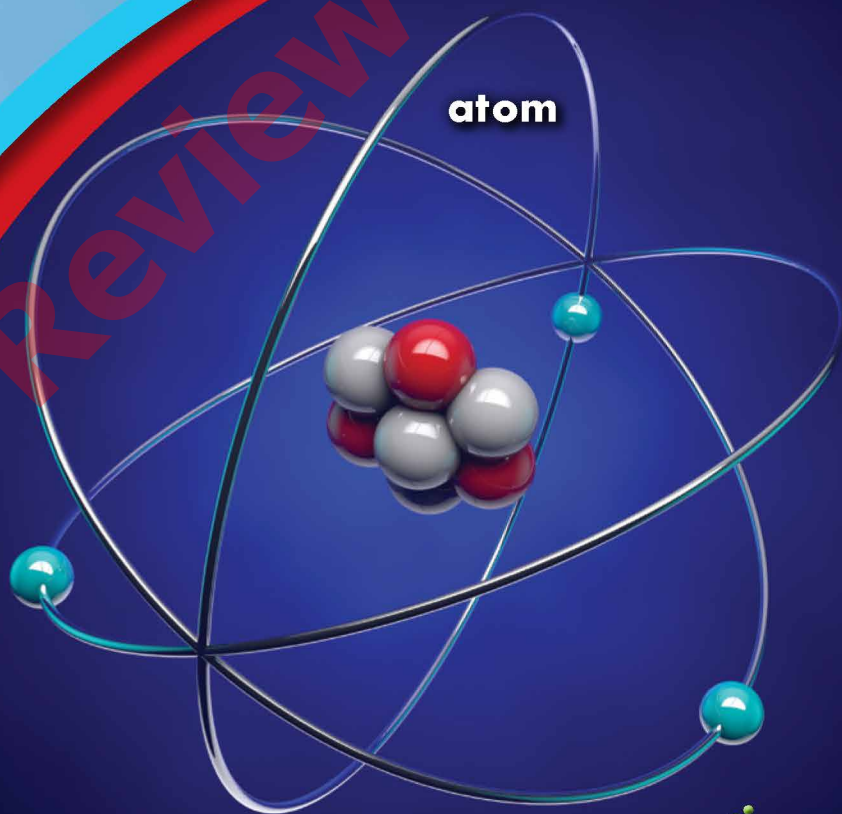
What Is Matter?



Everything is matter! Matter is made up of tiny parts called **atoms**. Atoms join together to make **molecules**.



It takes billions of atoms
and molecules to make
things we can see
and feel.



All matter has **mass**.
Mass is the amount of
matter in something.





Matter also has **volume**.
Volume is the space that
matter occupies.



Solid, Liquid, and Gas

You can see matter changing states at home!

What you will need:

- a glass bowl
- a cup of ice cubes
- a pot

1. Fill a bowl with the ice.
2. Think about ways you can change the solid ice to liquid water. Heat energy is the fastest way. You can let the ice melt at room temperature. You can place the bowl in the sun.
3. Once you have liquid, pour it into a pot.
4. Ask an adult to help you boil it on the stove. Now it will become a gas!

