


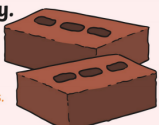
We are learning about **states of matter** in our Science lessons this half term.

**Solids**

**Do not flow or expand easily.**  
Atoms cannot move past one another.

**Do not compress easily.**  
There is very little space between the atoms.

**Hold their own shape and volume.**  
The atoms are tightly locked together.





**Liquids**

**Can flow easily.**  
Atoms can move past one another.

**Do not compress easily.**  
There is little space between the atoms.

**Take the shape of containers.**  
Atoms can move past one another.





**Gases**

**Can flow easily.**  
Atoms can move easily past one another.

**Can be compressed easily.**  
There is lots of space between the atoms.

**Take the shape of containers.**  
Atoms can move easily past one another.



Your challenge is to go on a treasure hunt around your house or outside on your daily walk to find:

**5 solids**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**5 liquids**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**2 gases**

**(This one is tricky because you might not be able to see them)**

1. \_\_\_\_\_
2. \_\_\_\_\_

Your next challenge is to go on a treasure hunt around your house or on your daily walk to find:

**3 things that can change their state**

For example, I found some chocolate in my cupboard which melts when I heat it up in a pan.

It changes from a solid to a liquid.

**ALWAYS ASK AN ADULT BEFORE  
TOUCHING ANYTHING IN THE KITCHEN  
OR BATHROOM**



**NEVER USE A COOKER,  
MICROWAVE OR KETTLE  
WITHOUT AN ADULT**

What do you have to do to your items for them to change state? Can you see a pattern?

1. \_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_

Take photographs of all the items you find and send us photographs for our amazing learning gallery.