

# Solids Liquids and Gases Card Game

A card game for 3 players or 3 groups of players.

**Aim:** You must try and collect all the cards which describe the state (solid, liquid or gas) shown on your picture card.

**Instructions.**

**A. Short game.**

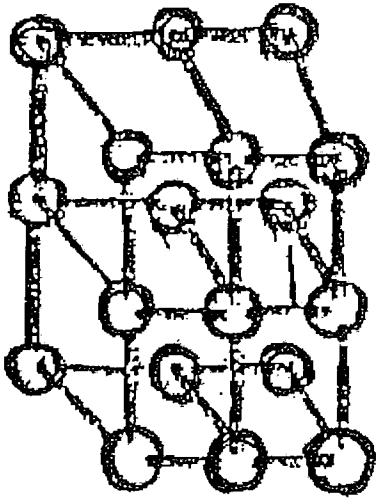
1. There are three picture cards. Place them face down on the table.
2. Each player/group picks a picture card.
3. Shuffle the other cards and spread them face up on the table.
4. Take it in turns to pick a card. If it describes your picture card, keep it. If not, you must give it to the player who needs it!
5. The game continues until all the players have completed their sets.

**B. Longer game.**

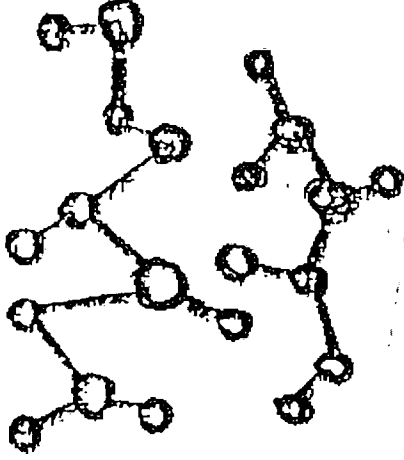
**Replace rule 5 with:** If the statement describes your picture keep it. If not, put it back on the table face up.

# Solids Liquids and Gases Picture Card Game

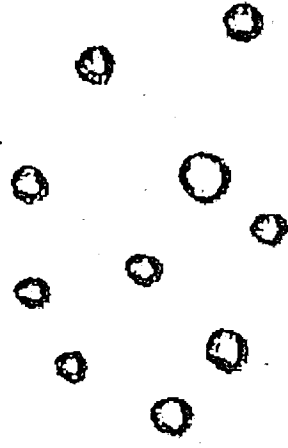
A Solid



A Liquid



A Gas



## Preparation.

You need to print the pictures above and the statements below on card and cut them out. You might want to make the activity easier by writing 'solid' 'liquid' 'gas' on the back of every or just a few statements so that guesses can be checked by turning the card over. We have provided a template for the last set of statements so you just have to fold the page in half and stick it together before you cut out the cards

## Solids, Liquids and Gases Picture Card Game

We can't feel it.	The particles move quickly.	The particles have some movement energy	It has a fixed volume, but it changes shape.
It fills any container you put it in.	It flows from one container to another.	The particles are spread far apart.	The particles are fairly close together.
The particles move slowly about.	It does not have a fixed volume or shape.	The particles are packed close together.	The particles have a lot of movement energy.
It spreads to fill the bottom of a container.	It spreads out in all directions.	The particles do not attract each other.	The particles attract each other weakly.
It has a fixed shape and size.	It stays in one	The particles attract each other strongly.	The particles are not in a pattern,

# Solids, Liquids and Gases Picture Card Game

If you fold this page in half the statements match descriptions.

The particles have almost no movement energy	The particles have a weak pattern.	<del>LIQUID</del>	SOLID
The particles are in a fixed pattern.	It is usually invisible.	GAS	<del>SOLID</del>
It keeps its own shape.	It is runny.	LIQUID	SOLID
It stays in a lump.	It feels hard.	SOLID	SOLID
It is wet.	The particles are in a fixed position.	SOLID	LIQUID