

Science - Year 4

States of Matter – Block 4SM

States of Matter Scientists!

Session 1

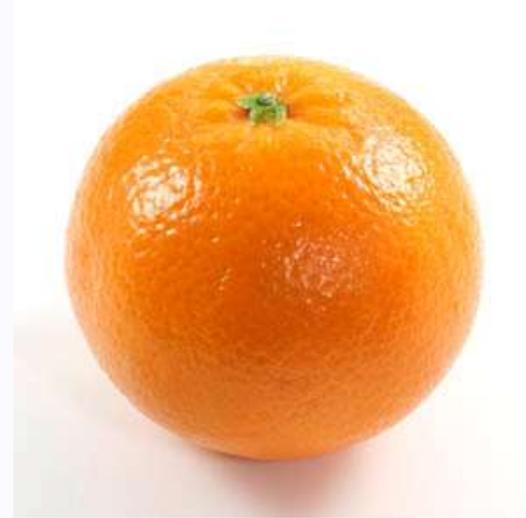
PowerPoint

**Sand can be poured,
so does that make it a
liquid?**



Discuss the different materials.

Would you class them as a solid or a liquid?





Confused?

Will this list of properties help you to classify if it is solid or liquid?

Solid	Liquid
Keeps its shape	Spreads out to fill the bottom of a container
Cannot flow	Can flow
Has a fixed volume	Has a fixed volume
Cannot be compressed	Cannot be compressed easily
Cannot move through it	Can move through it
Particles packed close together and can only vibrate	Particles can move or slide over each other
Feels hard	Feels wet
Maintains its shape and its volume	Maintains its volume but not its shape

**Even scientists sometimes find this tricky,
there are some materials that simply don't
fit into a category.**



There is a 3rd State of Matter – do you know what it is called?



Now you're an expert, how would you explain solids, liquids and gases to the other people in your household?

