

States of Matter

Imagine that you have a baseball and a small packet of ketchup.

1. If you squeeze the ketchup packet, how would it change?
2. If you squeeze the baseball, how would it change?
3. What would these results tell you about the properties of solids and liquids?

ANSWERS

1. The shape of the packet would change.
2. The baseball would not change shape in any noticeable way.

3. Students may say that solids have a shape that doesn't change under ordinary circumstances but that a liquid can change shape (flow) as the shape of its container changes.