





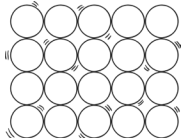
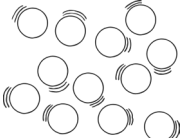
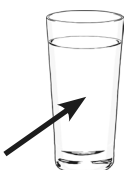



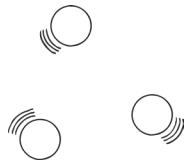
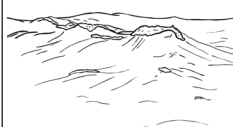
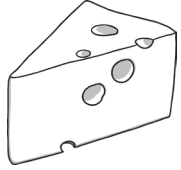


# Amazing Matter

Tar pitch, the material used to coat roofs and roads, is actually a liquid that flows incredibly slowly. Each drop takes approximately ten years to form and then drop.

Use what you know about matter to help the mouse to find the cheese. Color the squares about liquids red, the squares about gases green, and the squares about solids yellow. Then draw a line on the yellow path for the mouse to get to the cheese.



 <b>liquid</b>	<b>solid</b>	has a definite size but no shape			water takes this form above 100°C
has a definite size and shape	<b>gas</b>	has no definite size or shape		can be poured	
		water takes this form below 0°C	takes the shape and size of any container		things take this form when they freeze
takes the shape of the container but not the size		water changes to this state between 0°C and 100°C	water changes to this state above 100°C		
	solids take this state when they melt				liquids take this state when they evaporate

## You could also try to find out:

- what other slow-flowing liquids exist
- what the official definitions of solids and liquids are
- what speed ketchup flows at
- if you can set up a slow-flowing liquid demonstration



# Amazing Matter Answers



<p><b>liquid</b></p>	<p><b>solid</b></p>	<p>has a definite size but no shape</p>			<p>water takes this form above 100 °C</p>
<p>has a definite size and shape</p>	<p><b>gas</b></p>	<p>has no definite size or shape</p>		<p>can be poured</p>	
		<p>water takes this form below 0 °C</p>	<p>takes the shape and size of any container</p>		<p>things take this form when they freeze</p>
<p>takes the shape of the container but not the size</p>		<p>water changes to this state between 0 °C and 100 °C</p>	<p>water changes to this state above 100 °C</p>		
	<p>solids take this state when they melt</p>				<p>liquids take this state when they evaporate</p>

## You could also try to find out:

- what other slow-flowing liquids exist:  
**Answers including, but not limited to – ketchup, syrup, honey, pudding, shampoo.**
- what the official definitions of solids and liquids are:  
**Accept answers such as:**  
**Liquids - a substance, such as water, that keeps the same volume and can be poured easily.**  
**Solids - an object that is solid rather than liquid or fluid.**
- what speed ketchup flows at: **Ketchup flows at 0.28 miles per hour.**
- if you can set up a slow-flowing liquid demonstration:  
**Student's own responses.**

