BFSU A-2

Solids, Liquids, and Gases

My sorting chart — front

WORKSHEET

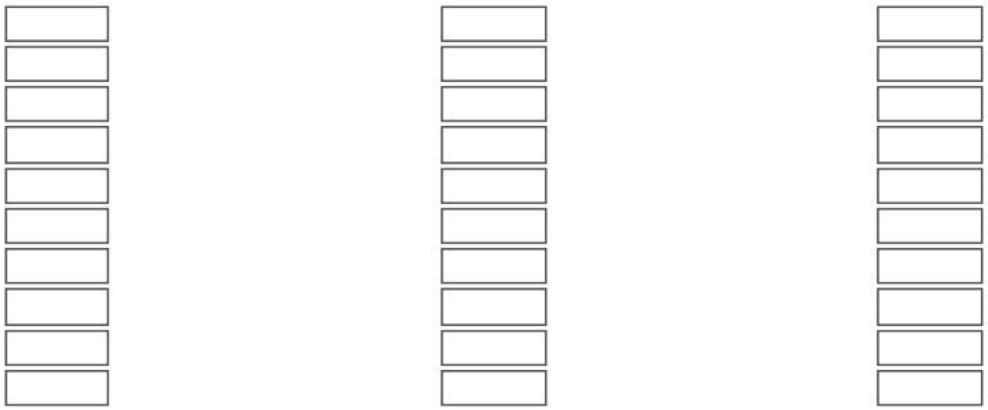
1 · Glue each little picture where it belongs

Cut the little pictures from the paste strip. Ask each one: does it keep its shape? does it flow? does it fill all the space? Then glue it in its column.

SOLID	LIQUID	GAS
keeps its shape by itself	*flows — takes its container's shape*	*spreads out to fill any space*

2 · Our bar chart

Shade one box for each card your team put in that bucket in the floor game — start at the bottom. The tallest stack is the state we found the most of. Put a ★ star on the winner.



solid *liquid* *gas*

3 · The same water, three ways

SOLID	add heat →	LIQUID	add heat →	GAS
draw an ice cube		*draw water in a glass*		*draw the kettle — the gas above the spout is invisible!*

BFSU A-2

The Melt Race

Every material melts at its own temperature

WORKSHEET

1 · One ice cube, all three states — circle your guess first

We will keep heating one ice cube until it melts, boils, and the pan is **empty and dry**. Where will the water be then?

gone forever — it vanished

in the air of the room — invisible gas

hiding in the pan as a drop

draw the pan at the end

2 · The Melt Race — guess the order, then record what happened

Before the heat goes on: write your guess — 1, 2, 3, 4, 5, 6 (1 = melts first). After the race: write the real order, and how long each took.

What's racing	My guess (1st–6th)	Real order	How long? (seconds or minutes)
 *ice cube*			
 *coconut oil*			
 *chocolate*			
 *butter*			
 *gummy bear*			
 *crayon*			

Ordinal words to copy: first · second · third · fourth · fifth · sixth

3 · The spoiler — and thinking like a scientist

The cheese got hot too… did it ever **run like a liquid**? Circle: **YES** / **NO**. Not everything melts! Now put a ★ on the race winner and tell someone why the racers finished in different order. *Hint: every material has its own melting temperature — its own number.*