

What happens when we place metals into acid?

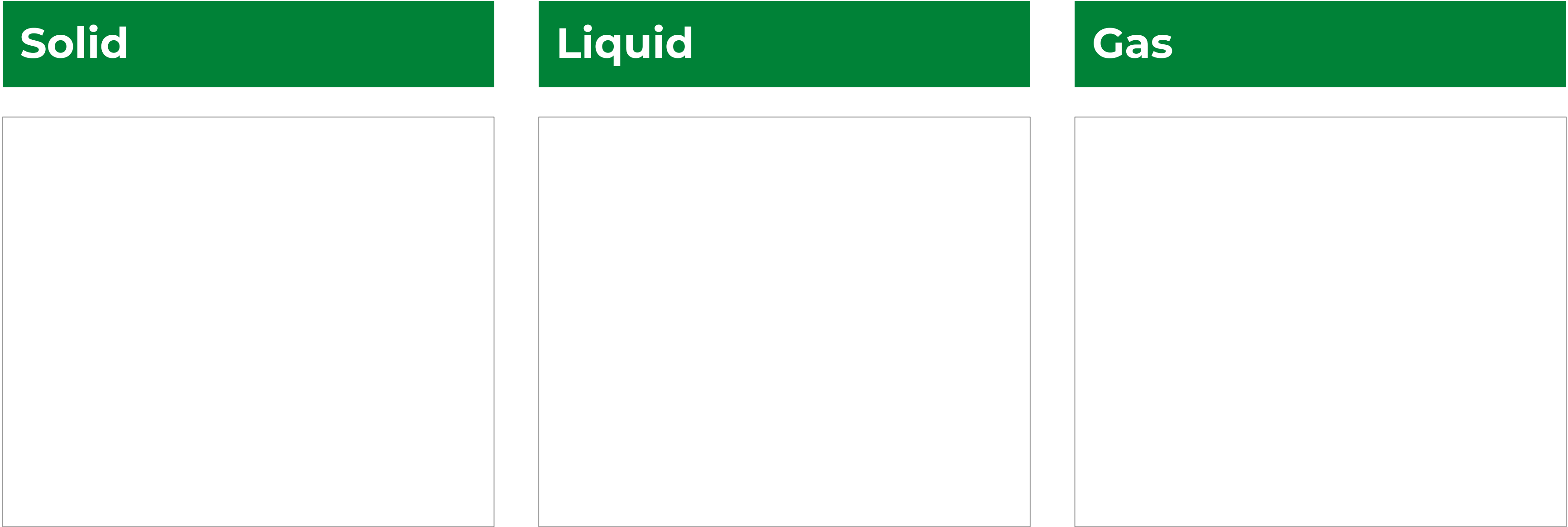
Worksheet

Science

Miss Couves



Complete the diagram in your notes:



_____ temperature - particles have _____

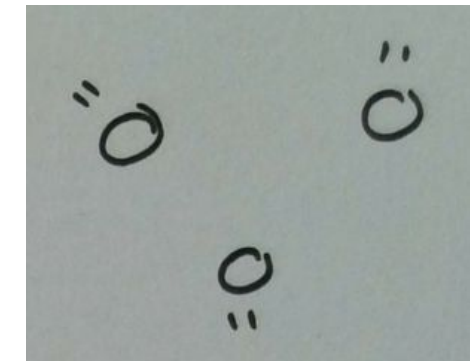
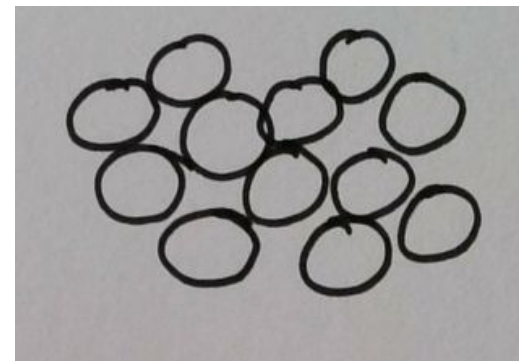
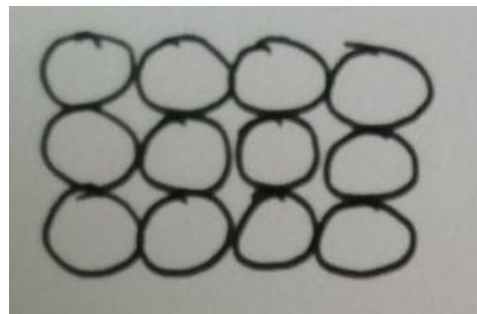


Which state change does each arrow represent?

Solid

Liquid

Gas



What is a physical change?

A change in the _____ or _____ of a substance.

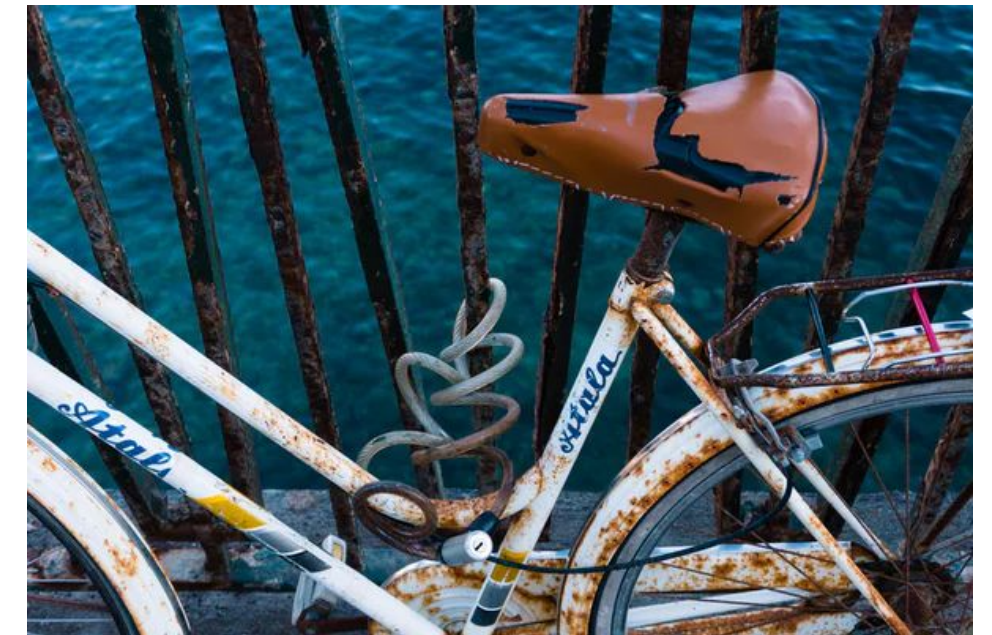
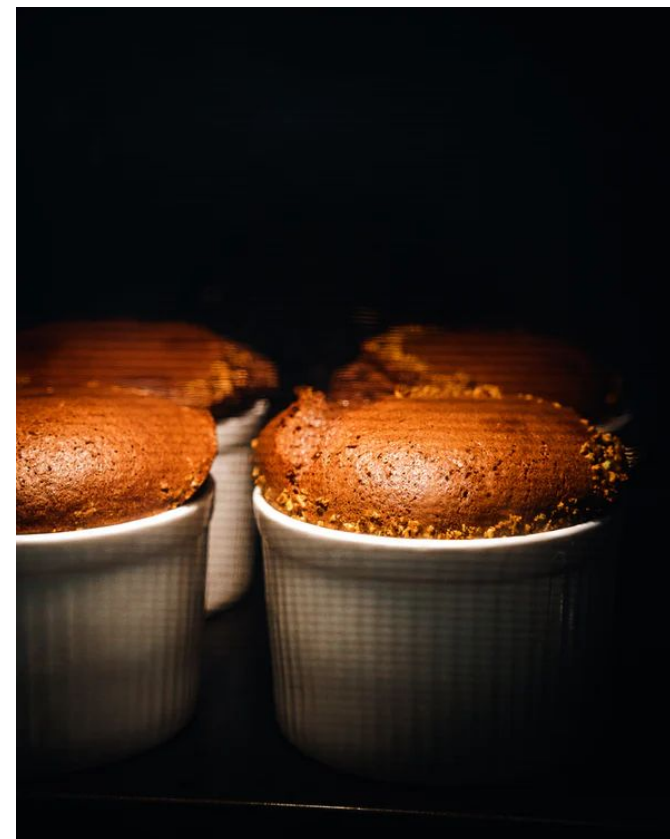


Credit: Images from Unsplash



What is a chemical reaction?

A change that _____.



Credit: Images from Unsplash



What is a variable?

A variable is something that can change in an investigation.

Independent

Dependent

Control



Are these results repeatable?

Condition	Plant growth in 1 week / cm		
	Trial 1	Trial 2	Trial 3
Water and sunlight	10	9	11
No water	5	5	10
No sunlight	3	3	2



Are these results reproducible?

Condition	Plant growth in 1 week / cm		
	Person A	Person B	Person C
Water and sunlight	10	9	4
No water	5	5	10
No sunlight	3	3	1



Investigating metal reactivity:

Metal	Amount of bubbles		
	Trial 1	Trial 2	Kirsty
Magnesium			
Iron			
Copper			



Writing a conclusion

1. Which metal was most reactive and how did you know?
2. Which metal was least reactive and how did you know?
3. Were our results repeatable and how did you know?
4. Were our results reproducible and how did you know?

