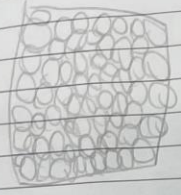


The background features large, overlapping, stylized loops in shades of green and blue. A dark grey horizontal bar is positioned across the upper portion of the image, containing white text.

Recognition assembly – Years 4, 5 & 6
8th November 2024

States of matter / 7/1/24

- gas
- gravity
- matter
- state
- liquid
- particles
- solid



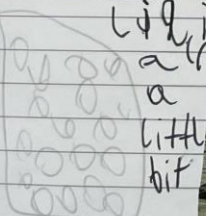
the particles in a solid are stuck together



Solid



ice is a solid and it sometimes melts like a candle



liquid particles are spread a little bit

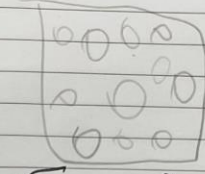


Liquid

further apart



liquid is a thing that you drink like water so it's smooth

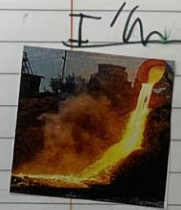


the particles in a gas are scattered around the room

Gas



because gas is made of particles of a kind of like Air.



I'm not sure I'm not sure because you make it metal by melting it and making it to liquid.

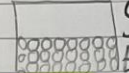
gas
gravity
matter
state
liquid
particles
solid

States of Matter 7.11.24

Solid



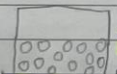
Solid particles stay close together. This is useful because you don't fall through things.



Liquid

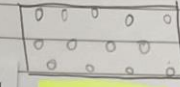


Liquid particles are tightly packed with a little bit of space. This is useful because it stays at the bottom.



-ith

Gas



Gas particles float around every where.

I'm not sure

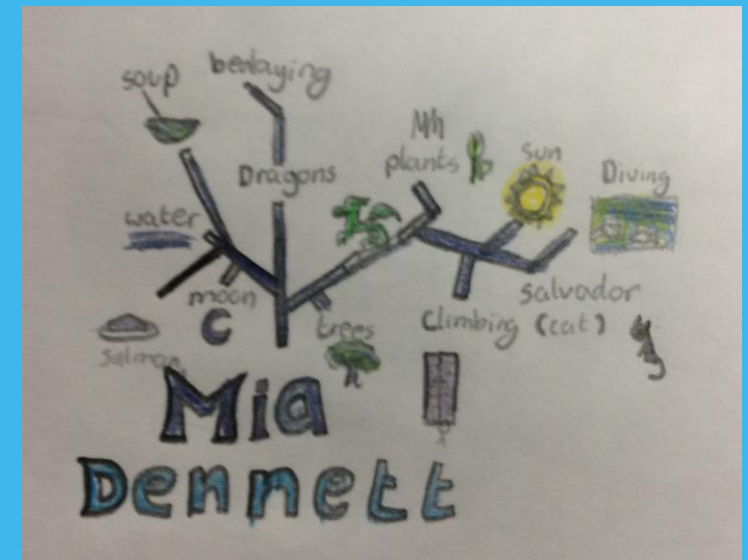
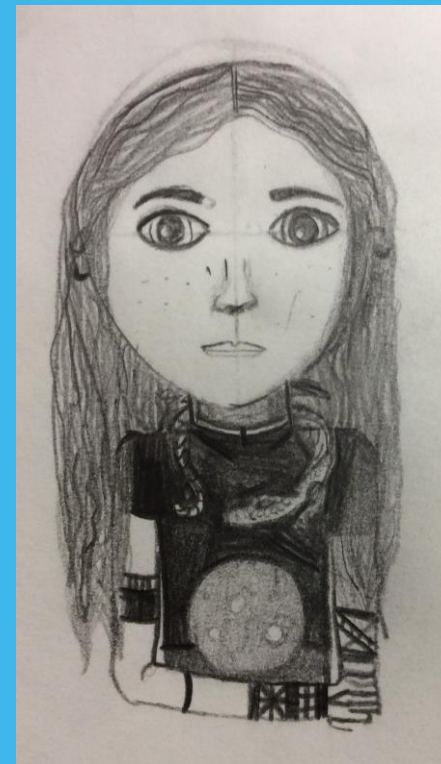


I'm not sure because it is liquid when it comes out and then turns into solid.



I'm not sure because it could be liquid or solid.

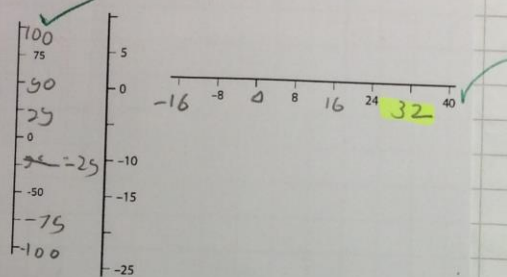
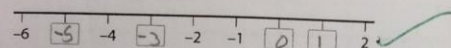
Year 5



Year 5

negative numbers 23/10/24

• Fill in the missing numbers.



Average monthly temperatures for the South Pole and London:

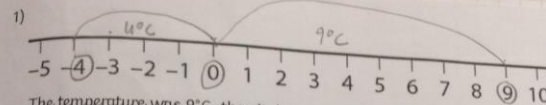
	South Pole		London	
	Min (°C)	Max (°C)	Min (°C)	Max (°C)
Jan	-30	-26	2	8
Feb	-43	-38	2	8
Mar	-57	-50	4	11
Apr	-61	-53	6	14
May	-62	-54	9	18
Jun	-63	-54	12	21
Jul	-63	-55	14	23
Aug	-63	-55	14	23
Sep	-62	-54	11	20
Oct	-54	-48	8	16
Nov	-40	-36	5	11
Dec	-29	-26	3	8

• Complete the table below.

	South Pole	London
Coldest minimum temperature (°C)	-63°C	2°C
Month of coldest minimum temperature	JULY	JAN
Warmest maximum temperature (°C)	-26°C	23°C
Month of warmest maximum temperature	DEC	AUG

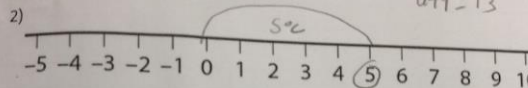
• Look at the temperatures at the South Pole in July. Explain why -63°C is colder than -55°C.

in negative number the the higher the number the colder it is ✓

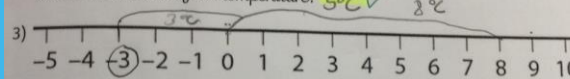


The temperature was 9°C, then it dropped to -4°C. What was the change in temperature? 13°C ✓

$4 + 9 = 13$

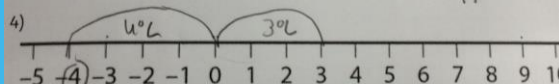


The temperature was 5°C, then it dropped to 0°C. What was the change in temperature? 5°C ✓



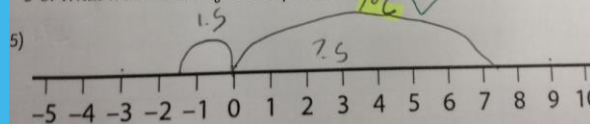
The temperature was -3°C, then it rose to 8°C. What was the change in temperature? 11°C ✓

$8 + 3 = 11$



The temperature was -4°C, then it rose to 3°C. What was the change in temperature? 7°C ✓

$4 + 3 = 7$



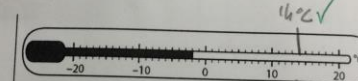
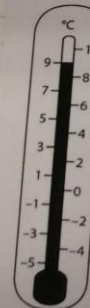
The temperature was -1.5°C, then it rose to 7.5°C. What was the change in temperature? 9°C ✓

$7.5 + 1.5 = 9$

For negative temperatures, the further the number is from zero, the colder it is.

For positive temperatures, the further the number is from zero, the warmer it is.

Write a definition of temperature



- What temperature does the thermometer show? -2°C ✓
- The temperature rises by 16°C. Mark the new temperature reading on the thermometer.
- The temperature falls from 14°C to -4°C. By how many degrees does the temperature fall? 18°C

The temperature falls from -6°C by 3°C. What is the new temperature? -9°C ✓
The temperature is -9°C. By how much must it rise to reach -2°C? 7°C ✓

Year 6

Causes of climate change

6.11.24

Key vocabulary:

- climate change ✓
- greenhouse gases ✓
- fossil fuels ✓
- deforestation ✓
- global warming ✓
- greenhouse effect ✓
- carbon dioxide ✓
- methane ✓

1. Use the diagram and key vocabulary to explain what is causing climate change.
2. Give some examples of human activities that require the burning of fossil fuels. How could we reduce these?

1. Humans are releasing loads of greenhouse gases from fossil fuels, deforestation and excessive farming. Greenhouse gases such as carbon dioxide and methane cause the greenhouse effect. The greenhouse effect is when the warmth of the Sun goes into the atmosphere and gets trapped and since we are using more greenhouse gases more heat gets trapped and that is causing global warming and climate change.
2. Cars, factories, heating and hot water. We can use electric cars, less factories and have

Effects of climate change

6.11.24

Key vocabulary:

- climate change
- global warming
- drought
- climate refugee
- rising sea levels
- smog
- asthma

1. Use the pictures and key vocabulary to explain some of the effects of climate change. One negative effect of climate change is... which causes...
In addition, climate change is... leading to...
Another effect is... which...
Furthermore, climate change can cause...
2. Which of the effects of climate change do you think is most concerning and why?

1. One negative effect of climate change is extra smog which causes asthma, asthma and some sometimes lead to death. In addition, climate change is leading to more frequent and longer droughts and more floods which means more people leaving countries and less crops. Since the Earth is getting warmer and warmer the ice caps are melting and it means polar bears are at a higher risk of extinction and it's also a problem for us as well because the water levels are rising so coastal will flood more often.
2. I think the ice caps melting is the most concerning because the water is rising so so loads of countries could be under water in a few years.

Taking flight 6.11.24

Gazing out of the ^{car} window, Tony stared at the green trees of the neighbour hood ^{rushed} by. As he squinted at the sunlight, he remembered what he should ~~of~~ ^{have} been doing: playing football with his dad at the park.

"Sorry kid, Dad ~~has~~ ^{has} to do more important things than play football..." Dad explained, not even looking up from his ^{Ph} game. "Maybe tomorrow?" He apologized.

"You said that yesterday!" Tony warned him.

"Look buddy, not all grownups have gun," Dad argues, shaking his ^{head} ~~hand~~. "Maybe ^M grandpa Nonno will take you to the park." Tony shook at the thought of standing in the garden, waiting for Nonno to finish taking a nap in the house or juddling with the shed tools, talking with the neighbours for hours. "Nonno ^{only} knows how to do ^{grown up} ~~shed~~ ^{muddled} stuff," Tony ~~cried~~, squeezing his precious Ted.

Tony kicked one of the front seats.

"Don't do that son, I just cleaned it yesterday!" ^{Dad} He shouted. His neat hair turned messy as he steered the ~~blue~~ ^{grey} car. Tony looked at Ted with his big blue eyes. Pitifully, he sighed. Although Tony's dad was busy, he always brought his son to Grandpa Nonno's house. When they got there, Dad jumped out of the car and handed Nonno his backpack.

"First aid kit, bottle, coloring book, pens, ^{toy} cars and sandwiches," Dad listed. Tony climbed slowly out of the car, dragging Ted with him. "I'm bored," he ~~insently~~ ^{insently} said.

"Don't worry, I'll get something for you to play with!" Nonno said.

"Thanks dad," Tony's ^{parent} ~~dad~~ called as he ran in the car. Messages popped on his phone as he shut the door.

"Be safe," He warned, driving off, leaving.

"I'll get the lawnmower! I need to mow the lawn!" Nonno said. "I'll be done ^{posting} in a jiffy!" he called, picking Tony and Ted, ^{posting} them on a wooden stool. "Stay put!" Tony He demanded. Tony sighed. He placed Ted on his lap and juddled with his ~~button~~ T-shirt buttons.