Science Experiments on boiling and evaporation

1. How long it takes for washing to dry in different place? Why is it different?

* Make a prediction.
* Get 3 wet socks and put each one in a different place.
* On a heater
* Outside on a dry day
* On a cold surface/cold room
* Record how long each sock takes to dry in the table.
* Write what you notice (compare them with each other) why do you think this?

Equipment:

* 3 wet socks

My prediction of what will happen to the socks:

|  |  |  |
| --- | --- | --- |
| Washing | What did you notice? | Why do you think this happened? |
| Sock 1 - Heater |  |  |
| Sock 2 - Outside |  |  |
| Sock 3 – Cold Surface |  |  |

1. How long it takes for water to evaporate from different containers.

* Make a prediction.
* Take 3 containers (1 small, one medium and one big one)
* Put them all on top of a heater/warm place.
* Fill them with the same amount of water (50ml)
* Record your findings (did some water evaporate? Did some not? Why do you think this is?)

Equipment

* 3 different sized containers (small, medium, large)
* Water (measured at 50ml)

My prediction on what will happen to the water in the different containers:

|  |  |  |
| --- | --- | --- |
| Containers with water | Did it evaporate? | Why do you think this happened? |
| Small |  |  |
| Medium |  |  |
| Large |  |  |

1. Quiz ( + answer sheet for self-assessment)
2. What are the three states of matter?
3. In science, what does ‘melting’ mean?
4. A solid is turning into a liquid
5. A liquid is turning into a gas
6. it means its too hot!
7. In science, what does ‘freezing’ mean?
8. A solid is turning into a liquid
9. It means its too cold!
10. It means a liquid is turning into a solid
11. In science, what does ‘boiling’ mean?
12. It means a liquid is turning into a gas
13. It means a liquid is turning into a solid
14. It means a gas is turning into a liquid
15. What is the freezing point of water?
16. 0°C
17. 25 °C
18. 100°C
19. What is the boiling point for water?
20. 0°C
21. 25°C
22. 100°C

***ANSWERS:***

Quiz ( + answer sheet for self-assessment)

1. What are the three states of matter?

Solid, gas, liquid

1. In science, what does ‘melting’ mean?
2. A solid is turning into a liquid
3. A liquid is turning into a gas
4. it means its too hot!
5. In science, what does ‘freezing’ mean?
6. A solid is turning into a liquid
7. It means its too cold!
8. It means a liquid is turning into a solid
9. In science, what does ‘boiling’ mean?
10. It means a liquid is turning into a gas
11. It means a liquid is turning into a solid
12. It means a gas is turning into a liquid
13. What Is the freezing point of water?
14. 0 degrees
15. 25 degrees
16. 100 degrees
17. What is the boiling point for water?
18. 0
19. 25
20. 100