

What is the universe and what is it made from?

Science - Space



Miss Hummel



Answer this question:

1. What is the universe?

The collection of ...



Thinking Task:

- 1.** What is a galaxy?
- 2.** How is a galaxy different from the universe?



Recap Task:

1. What is the name of the galaxy that we are in?



Complete the match up task about different objects that are in the universe

Star	A spherical object that orbits a star
Planet	All the stars, planets, rocks and dust in space
Galaxy	A very hot ball of gas where nuclear fusion happens
Universe	A group of stars held together by gravity



Answers:

Star	A spherical object that orbits a star
Planet	All the stars, planets, rocks and dust in space
Galaxy	A very hot ball of gas where nuclear fusion happens
Universe	A group of stars held together by gravity



Recap Task:

1. What do scientists see happening to galaxies across the universe?



Recap Task:

1. What is the Big Bang Theory?



Sketch diagrams to show the evidence that scientists use for the big bang theory

All galaxies appear to be **moving away** from each other, so they must have been a **big explosion** in the **past** that has made them do this

Everywhere scientists look, there is some **leftover heat** from a **big explosion** that happened a lot time ago



Read the statements below and decide if they are true or false

1) What does the balloon represent?

The balloon represents...

2) What happens to the galaxies as you go forwards in time?

As you go forwards in time...

3) What does this mean about the universe?

The universe must...



Thinking Task:

The big bang theory is quite a new theory. Why are some people not sure if it is definitely right yet?

