

# 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
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# 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?

