

The Comet's Trail

Name:

Date:



Your Mission

You must answer the questions to crack the code to reveal the secret message.

Part 1: The Questions

Question 1

A Comet is a type of Near Earth Object made from rock, ice, dust and frozen gases. **What type of N.E.O is made entirely from rock?**

Question 2

On Christmas Eve 1965 a meteorite landed in a Leicestershire village, but which one?

Question 3

When an object from space hits a planet, it leaves a hole where it landed.

What is this hole called?

Hint: The Moon is covered with them.

Question 4

Comets have two tails. One is made of charged particles and is called the Gas Tail.

What is the other tail called?

Hint: Find the Comet exhibit.

Question 5

In the 15th Century, what did a Pope do to a Comet because he thought it was an agent of the Devil?

Question 6

What is our model of Saturn doing in a bath?

Question 7

Which Spacecraft hanging from the top of the Rocket Tower has been on a mission to rendezvous with Halley's Comet? *Hint: It also took the orange 'false-colour' image found in the Comet exhibit.*

Question 8

The Greeks thought that a Comet looked like Star with Long _____?

Hint: It is not a tail and it doesn't tie it back.

Question 9

Comets are mainly made of two things.
Which one melts as the Comet nears the Sun?

Question 10

Which large striped planet was hit by a Comet that broke up into 23 bits called a 'string of pearls'?

Question 11

Which belt do Short Period Comets come from?

Hint: It is not the Asteroid Belt or Orion's Belt.

Question 12

Short Period Comets have orbits that take less than 200 years.

What do we call a Comet that has an orbit of more than 200 years?

Question 13

The Asteroid Belt is made from metallic and rocky objects.

What are these objects called if they land on the Earth?

Question 14

Asteroids orbit the Sun just like the planets and Comets. When these objects approach the Earth they become known as an N.E.O. What does N.E.O stand for?

Question 15

Long Period Comets come from a cloud of objects much further out beyond the Kuiper Belt.

What is the name of this cloud?

Question 16

Which ex planet is now a dwarf planet?

Hint: Before the Kuiper Belt

Question 17

Dr Fitzsimmons studies N.E.O.s, but where does he work?

Question 18

Comets are mainly made of two things.

Which one does not melt as the Comet nears the Sun?

Question 19

Long Period Comets have orbits that take more than 200 years.

What do we call a Comet that has an orbit of less than 200 years?

Question 20

Herschel and his sister discovered Uranus using something they built themselves.

What was it?

Question 21

Which planet rolls like a barrel around the Sun because of an impact with a large object?

Question 22

Comets were sometimes seen as warnings of disaster.
Which volcano erupted in 79AD

Question 23

What was Mr Herschel's first name?

Question 24

Which part of the electromagnetic spectrum is used to see bones inside your body
Hint: Find the Spectrum Wall exhibit in Orbiting Earth

Question 25

A Short Period Comet has an orbit of less than 200 _____ ?

Question 26

The Planets are often seen as Gods.
What is the Greek name of the God for the planet Jupiter?

Part 2: Cracking the Code

Fill your answers in the table and use the first letter of each word to crack the code below

1.	14.
2.	15.
3.	16.
4.	17.
5.	18.
6.	19.
7.	20.
8.	21.
9.	22.
10.	23.
11.	24.
12.	25.
13.	26.

23.	5.	12.	12.	4.	15.	14.	5.	1.	19.	20.	18.	15.	14.	1.	21.	20.

13.	9.	19.	19.	9.	15.	14.	1.	3.	3.	15.	13.	16.	12.	9.	19.	8.	5.	4.