

# WATER, WATER EVERYWHERE

## KNOWLEDGE ORGANISER - YEAR 6 - SPRING



Brooklands  
Primary School

### ENQUIRY QUESTION 1

**WOULD YOU BUILD A HOUSING ESTATE CLOSE TO A RIVER?**

### KEY VOCABULARY

**Upper, middle and lower course** - the sections of a river moving from higher to lower ground

**Meander** - a bend in a river

**Tributary** - a stream or river that feeds into a larger one

**Confluence** - where two rivers or streams meet

**Valley** - a long trough in the landscape that has been eroded by a river

**Gorge** - a steep sided river valley with rocky sides, formed over thousands of years

**Sediment** - the material that has been transported by the river and then deposited

**Delta** - a fan shaped area of sediment built up by the mouth of a river

**Estuary** - a valley where the current meets the tide and fresh and saltwater mix

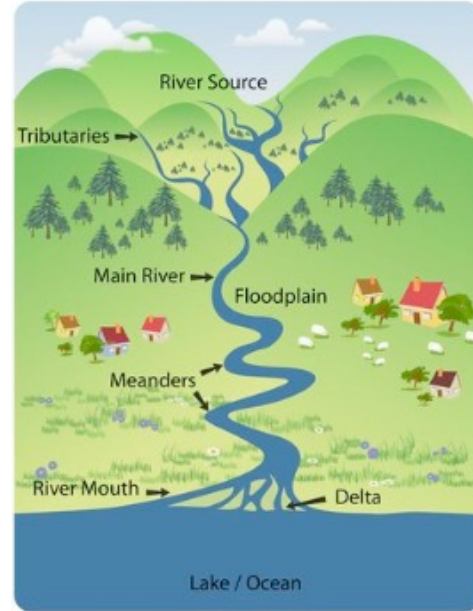
**Floodplain** - the flat, fertile land close to the river banks

**Erosion** - the wearing away of the land by the movement of the river

**River mouth** - the end of the river where it meets the sea, a lake or the ocean

**River source** - where the river begins - usually high up

### FEATURES OF A RIVER



#### OCEANS

Pacific Ocean  
Atlantic Ocean  
Indian Ocean  
Southern Ocean  
Arctic Ocean

#### SEAS

Coral Sea  
Mediterranean Sea  
Caribbean Sea  
Red Sea  
Caspian Sea  
Dead Sea

#### RIVERS

River Nile  
River Amazon  
River Thames  
River Mersey  
River Seine  
River Danube

#### LAKES

Lake Michigan  
Lake Superior  
Lake Titicaca

### ENQUIRY QUESTION 2

**BRUCE ISMAY WAS RESPONSIBLE FOR THE SINKING OF THE TITANIC. DISCUSS**



#### WHY IS THE TITANIC REMEMBERED?



- Titanic was built by White Star Line and was the world's largest passenger liner
- Construction began on the 31st March 1909. It took over 3 years to build
- The Titanic measured 882 feet (269 metres long) and weighed 52,310 tonnes
- In 1911 the Titanic was declared practically unsinkable and a marvel of British engineering
- There were 9 decks in total and it took crew members 14 days to learn their way around
- The maiden voyage began on 10th April 1912
- The ship was named R.M.S. Titanic - this stood for Royal Mail Ship
- A first class ticket cost £875 and a third class ticket cost £5
- It was written in law that first class passengers could not mix with second or third class passengers
- 1506 passengers died on board Titanic
- Titanic could carry 64 lifeboats but only carried 20 to maximise deck space for passengers

# KEY TIMELINE OF EVENTS

10 <sup>th</sup> April 1912 12.00pm	14 <sup>th</sup> April 1912 11.40pm	15 <sup>th</sup> April 1912 12.00am	15 <sup>th</sup> April 1912 12:30am	15 <sup>th</sup> April 1912 2:10am	15 <sup>th</sup> April 1912 2:17am	15 <sup>th</sup> April 1912 2:24am
RMS Titanic sets sail from Southampton	Titanic hits an iceberg	Captain Smith gives the order to call for help	The lifeboats are lowered	Ship's lights go out	Titanic breaks in two	Titanic reaches the bottom of the ocean

## KEY VOCABULARY

**Maiden Voyage**- the first voyage of a ship

**Passenger liner**- a ship that is primarily for transporting passengers

**Maritime**- a word meaning connected to the sea.

**Immigrants**- people who leave their country in order to settle permanently in another country

**Transatlantic** - crossing the Atlantic

**Titanic** - a word derived from the Greek mythology, meaning 'gigantic'.

**Unsinkable** - cannot be sunk

**Ice berg**- large ice from a glacier



**Captain E.J. Smith**

The captain of the ship on its maiden voyage



**Stanley Lord**

The captain of a ship called the Californian



**Bruce Ismay**

The man in charge of White Star Lines - the owners of Titanic

## WHO WAS TO BLAME?



**Harland and Wolff**

Titanic was built at their shipyard in Belfast



**Thomas Andrews**

The naval architect who designed Titanic

## ENQUIRY QUESTION 3

**THE NUMBER OF TOURISTS ALLOWED TO VISIT CORAL REEFS SHOULD BE LIMITED. DO YOU AGREE?**



### WHERE ARE CORAL REEFS LOCATED?

Found in tropical destinations

around the world

Mostly around the equator where the water is warmer

Over half of the world's coral reefs are found in six countries:

Australia, Indonesia, Philippines, Papua New Guinea, Fiji and the Maldives

The largest coral reef system in the world is the Great Barrier Reef in Australia (133,000 square miles)

### WHAT DO THEY NEED TO SURVIVE?

If these conditions are not met, they can become stressed and distressed, and even die.

- Clean water (no pollution)
- Warm water (23° and 29° Celsius)
- Healthy wildlife populations (including turtles, sharks, molluscs, sea horses, crustaceans, squid)



### FAST FACTS

Home to 25% of all known marine species.

Cover less than 0.1% of the ocean's surface area.

There are three specific types of reef:

**Barrier reefs** - creating an open lagoon around the shoreline,

**Fringing reefs** - grow from the shoreline towards the sea

**Atoll reefs** - grow around sunken volcanic islands