**What is an analogue signal? Draw a diagram.**

**What is a digital signal? Draw a diagram.**

**How are microwaves used for communication?**

**What happens to microwaves as they pass through the atmosphere?**

**Define and draw diagrams to show:**  
Total Internal Reflection –

Critical Angle –

|  |  |
| --- | --- |
| **Infrared Cooking** | **Microwave Cooking**  **Name 4 advantages of digital signals:**  **Explain the term ‘multiplexing’:** |
|  | **Compare FM radio to DAB (digital) radio:** |
|  |  |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
|  | **P waves** | **S waves** |
| **Type of Wave** |  |  |
| **Relative Speed** |  |  |
| **Can travel through** |  |  |

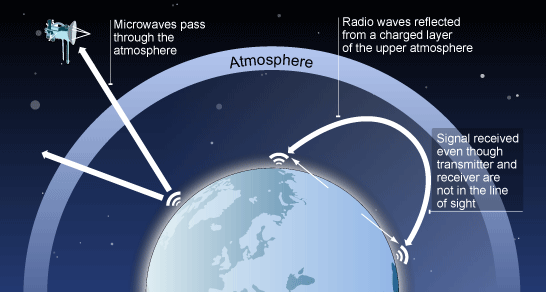
**When does an earthquake happen?**

**How do we detect earthquakes?**

**Explain what this diagram shows about differences between radio and microwave transmission**:

**What is diffraction?**

**Complete the diagram to show diffraction:**



**How can you work out how long you can stay in the sun for?**

**Name 4 things too much sun (UV rays) can cause:**

**What has created a hole in the Ozone Layer?  
  
Why is this hole dangerous?**