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| **WASTE MATTERS – Knowledge Organiser Year 4 Spring 2** | | | |
| **VOCABULARY** | | **THE 7 CONTINENTS AND 5 OCEANS** | **WHY DO OCEANS MATTER?** |
| Plastic | A type of material that is made by people and can be formed into any shape. | Image result for world map and oceans | * Over 700 million people depend on fishing. * Fish and seafood are the main source of protein for more than a billion of us. * They are home to an incredible variety of wildlife. * Home to the largest animal ever to live on Earth, the blue whale. * Around 70% of the world’s people live within 60km of the sea. * Around 80% of all tourism takes place in coastal areas. |
| Pollution | When the environment is contaminated or dirtied by waste, chemicals and other harmful substances. |
| Landfill | Huge holes in the ground that we fill with rubbish and cover with soil. |
| Gyres | Rotating ocean currents. |
| Biodegradable | Is able to break down into very small harmless parts by the action of living things e.g. bacteria. | **KEY PLACES** |
| **Henderson Island**   * A British Island in the South Pacific Ocean halfway between New Zealand and Chile. * Nobody lives there but it is the most polluted place on the planet with 38 million pieces of plastic on its beaches. * 3,500 pieces of plastic are deposited there every day. * Plastic has been found from: Russia, the US, Europe, South America, Japan and China.   **South Pacific Garbage Patch**   * Plastic gets caught up in the ocean currents (gyres) and collects in huge areas. * The garbage patch is larger than the country of India. * Most of the plastic found is microplastic. * Eventually the plastic will sink and be carried around the planet by ocean currents. |
| **REMEMBER THE FIVE Rs** |
| Bioplastic | Biodegradable plastic that is made from biological materials. | * **Rethink** – what things do you really need? * **Refuse** plastic where you can – it can help make a point. * **Reduce** the amount of plastic you use. * **Reuse** items where you can. * **Recycle** as much as possible |
| Microbead | Tiny pieces of plastic that are less than 1mm in size. They can be found in some cosmetics and toothpastes. |
| Microplastics | Tiny pieces of plastic less than 5mm across. A major cause of ocean pollution. |
| Single use plastic | Plastic products that are only used once before they are thrown away. |