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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.
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| 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.
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|  **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
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| 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. |