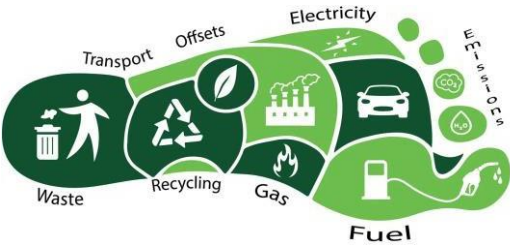
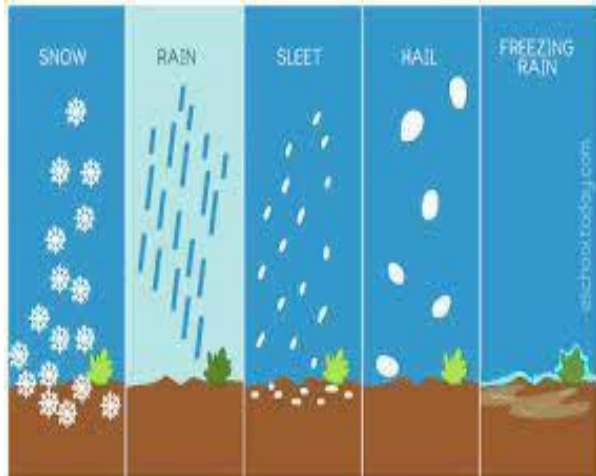


# Year 6: Science The Environment Knowledge Mat

| Subject Specific Vocabulary |  | Information   | Important Knowledge  |
|-----------------------------|--|---|--|
| <b>climate</b>              | Climate is not the same as weather, but rather, it is the average pattern of weather for a particular region.                    |   | <ul style="list-style-type: none"> <li><input type="checkbox"/> I know how the volume of rainfall has changed in the Northwest of England since the 1800s.</li> <li><input type="checkbox"/> I know how the temperature has changed in the Northwest of England.</li> <li><input type="checkbox"/> I know what a fossil fuel is.</li> <li><input type="checkbox"/> I know how fossil fuels create greenhouse gases which contribute towards climate change.</li> <li><input type="checkbox"/> I know the names of extreme weather: floods, tsunamis, hurricane, tornado, tropical cyclone, mudslide.</li> <li><input type="checkbox"/> I know where extreme weather occurs.</li> <li><input type="checkbox"/> I know the impact that extreme weather can have on human life.</li> <li><input type="checkbox"/> I know that a carbon footprint is the term used to describe the amount of energy used.</li> <li><input type="checkbox"/> I know the negative impact that high carbon footprints can have on human life and the planet.</li> <li><input type="checkbox"/> I can identify the range and intervals that I need to use for a set of measurements.</li> <li><input type="checkbox"/> I can use the results from my investigation and the knowledge I have acquired during my research to form a conclusion.</li> <li><input type="checkbox"/> I can evaluate my research.</li> <li><input type="checkbox"/> I can separate fact from fiction or opinion.</li> <li><input type="checkbox"/> I can decide on the best way to present what I have found out.</li> </ul> |
| <b>precipitation</b>        | Precipitation is water that falls to the earth as hail, mist, rain, sleet, or snow.  |   |  |
| <b>fossil fuels</b>         | A fossil fuel is a natural substance formed from the buried remains of ancient organisms that can be used as a source of energy. |   |  |
| <b>greenhouse gases</b>     | Greenhouse gases are gases in Earth's atmosphere that trap heat.   |   |  |
| <b>extreme weather</b>      | Weather conditions that are beyond normal parameters.  |  |  |
| <b>tsunami</b>              | A large ocean wave usually caused by an underwater earthquake or a volcanic explosion.   |   |  |
| <b>tropical cyclone</b>     | A circular storm that forms over warm oceans.  |   |  |
| <b>mudslide</b>             | Debris that accelerates down a hill or slope during periods of intense rainfall or rapid snowmelt.                               |   |  |
| <b>climate change</b>       | The long-term changes in global temperatures and other characteristics of the atmosphere.  |   |  |
| <b>carbon footprint</b>     | Your carbon footprint is the amount of greenhouse gas released into the air because of your own energy needs.                    |   |  |