**Coasts Review Notes – Sea Level Change**

**Changing Sea Level**

**What 2 ways are there in which the volume of the oceans is increasing?**

**Why is sea level change prediction so difficult?**

**What is the range in predictions?**

**What impacts will there be with rising sea levels in the UK and globally on processes, landforms and people?**

**Kiribati case study – threats, impacts and future**

* **Eustatic changes**
* **Isostatic changes**
* **Tectonic changes**

**Explain the causes of each of the above.**

**What is isostatic readjustment?**

**What impact has it had on the coastline of the UK?**

**What has happened to sea levels since the last ice age 10,000 years ago?**

**What implication does the potential melting of the Antarctica ice have on future sea levels?**

**What is thermal expansion and what impact does it have on sea level?**

**Give an example of changes in relative sea and land with tectonic activity**

**For each of the following are timescales short, medium or long term?**

* **Tectonic uplift or downthrust**
* **Isostatic change**
* **Continental separation and collision (continental drift)**
* **Thermal expansion**
* **Global warming and ice melting**

**For each landform:-**

**What are they and how are they formed? Use diagrams to help you understand their formation and give an example from around the world**

**Submergent and emergent landforms**

1. **Rias**
2. **Fjords**
3. **Dalmation Coast**
4. **Raised beaches**
5. **Relict cliffs**
6. **Marine platform**