ES 11 **Ocean Properties Concept Map Take Home Assignment**

Create a mind map demonstrating how properties of oceans are important and how they are related. Use all the words in the word bank below.

What to do:

1. On a plain piece of paper, write the word OCEANS in the middle of your page. Draw arrows radiating out to connect it to a concept/description/ property.
2. Add descriptions. Eg. Ocean (list the 5 main oceans) 🡪 Importance (list reasons why oceans are important to us).
3. Use all words from the word bank. Some words like the bold ones will be used more than once. Eg. Salinity 🡪 is affected by 🡪 Density (mass/volume) 🡪 is important because/has an effect on/determines 🡪 ocean currents 🡪 affects climate.
4. Connect any words that are related. Some properties/concepts may be affected or have an effect on more than one other property or concept. Eg. Both temperature and Salinity have an effect on density. Along your arrow you may want to describe what that effect is (increased salinity means *increased* density, increased temperature means *decreased* density).
5. Take a picture of your mind map, name the file, save it to Office 365, and submit through TEAMS.

**WORD BANK**:

Oceans

**Importance**

Formed by

Contains

Salinity

Measured by

**Is Affected By**

**Has an effect on**

Precipitation

Melting Sea Ice

Evaporation

Formation of Sea Ice

Location

Density

Temperature

Latitude

Time of Year

Depth

Currents

Climate