



SOS Explorer Scavenger Hunt



Name _____ Class _____

SOS Explorer on your device:

- Be sure the SOS Explorer app is on one of your devices. It is available for phones, tablets or Chromebooks.
- You can search “SOS Explorer” in an app store or follow the link on the Science on a Sphere website: https://sos.noaa.gov/SOS_Explorer/

Science on a Sphere is a presentation tool that was developed at NOAA in Boulder. The SOS team recently put together this app version as a free resource. We are excited for you to check it out!

Notice the green arrows that can show or hide the menu of datasets. You can see a menu of “All” datasets or look at different categories, such as “Land” or “Air”.

Air

Find a dataset that shows clouds moving around the earth.

- What direction do most clouds move around the earth?
- Where on earth do you see a lot of clouds?
- Where on earth do you see few or no clouds?

Find a dataset that shows carbon dioxide.

- What do you notice about changes in carbon dioxide amounts?

Find a dataset that shows hurricanes.

- How would you describe where hurricanes happen? Use any geographical overlays to help you.

Land

Find a dataset that shows earthquakes.

- Describe where earthquakes around the world happen.
- How would you describe patterns of Earthquakes?
- What do the color and size of the Earthquake dots mean?

Find a dataset that shows vegetation.

- How does the amount of vegetation change seasonally around the world?

Water

Find a dataset that shows ocean temperature.

- Make 2 observations about ocean temperatures around the world:

1)

2)

Find a dataset that shows a tsunami.

- Where did the wave start?
- Where did the wave go?

Wildcard

Find a dataset you have not yet looked at. Describe something you have learned from it: