Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FIND SOMEONE WHO…

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| --- | --- | --- | --- |
| What causes **surface currents**? | On the back of this paper, draw a picture of the moon, Earth, Sun and tides during a **spring tide**. | Why doesn’t warm water on the surface sink to the bottom and mix? | What causes **deep currents?** |
| Turnover is to lake as \_\_\_\_\_\_\_\_&\_\_\_\_\_\_\_\_\_\_\_ are to ocean. | On the back of this paper, draw a picture of the moon, Earth, Sun and tides during a **neap tide**. | Density of salt water is (>, <, =) density of fresh water. | On the back, label the ocean floor map. |
| On the back of this paper, draw a picture of a wave and label the **crest, wave height, wavelength, & trough** | Under which types of moons do neap tides occur? Spring tides? | Which type of tide causes more extreme high and low tides? | What is the primary way in which waves form? |
| What are 2 obstacles to ocean exploration? | List the 3 temperature zones. | What happens to water particles as a wave passes through? | T/F Waves transport energy, not water |

**Neap Tide drawing:**

**Spring Tide drawing:**

**Wave drawing:**

**Ocean floor map:**

Use the following terms:

**Sea mounts Mid-ocean ridge Ocean trench**

**Continental Shelf Continental Slope Volcanic Islands**