



**Student Worksheet:
Survival Zone**

Name: _____

Procedure

1. Determine the Water Level Tidal Predictions for Portland, ME for the next month. Does this area experience semi-diurnal, diurnal, or mixed tides?

2. Determine the current status of the area. Portland, ME Is there evidence of major deviations in predicted and actual water levels for Portland? Explain.

3. Obtain the Weather for Portland, ME. Will there be any extreme weather for Portland in the upcoming week?

Would the Intertidal area be subjected to freezing weather in the upcoming week?

4. Read all of the information on the various organisms. Determine if they would survive in the Intertidal Zone and if so, in which part, the Lower, Middle or Upper portion and enter in the table.

Explain if any of the organisms would not be found in Portland, ME.

Organisms possibly found in a Portland, ME Intertidal Zone	
Portion of Zone	Organisms, Adaptations
Lower	
Middle	
Upper	

5. Which of the organisms would be considered edible for humans?

Assessment

1. Produce a Field Guide, either paper-based or electronic of organisms found at your local shoreline.

The Field Guides must address the following:

- Type of tides in the area, semi-diurnal, diurnal or mixed
- Prediction of any higher than normal high tides or lower than normal low tides
- Local effect of weather on the Intertidal Zone
- At least three organisms for each portion of the Intertidal Zone
- Name of organism
- Type of organism (classification)
- Picture of organism
- Where it lives in the Intertidal Zone
- What form(s) of adaptation does it display to survive in this zone?