

Tides & Intertidal Zones - (Online Testing - 30 Minutes)

Description: Teams will demonstrate their understanding of tides, tidal action and the adaptations of animals living in the intertidal zone. **This event has a written test.**

Participation: 2 students per registered team.

Teams need to bring: Pencils. Optional - nonprogrammable Calculator.

- **Teams may not bring notes or resources of any type.**

Safety Requirements: None

The Competition:

This event will be run simultaneously as a 3rd grade event and 4th and 5th grade event. 3rd graders may participate in either test session, but not both.

The topics may include but not limited to

- Tides, Spring & Neap tides
- Predicting the tides
- Wave induced erosion
- Methods of controlling erosion
- Animals and their adaptations

Scoring:

- Points will be awarded for each correct response.
- Ties will be broken by the accuracy or quality of answers to select questions chosen by the event test writer prior to the competition.

Possible Resources

Division A will not release previous tests, or the exact resources used by the Event Supervisor or test writer for any events. The listed resources are meant as a starting point. It is up to the competitor to research further.

- National Park Service: [Intertidal](#)
- National Oceanic and Atmospheric Administration: [What is the Intertidal zone?](#)
- National Oceanic and Atmospheric Administration: [Tides and Water Levels](#)