



Marine Matters Curriculum 2
Lesson 3 • Mud Flats • Grades K – 3

Worksheet 1 – Activity Stations

Station 1. Mud and Sand

Shake the jar of mud and water. Shake the jar of sand and water. Put them both down and observe.

What happens to the particles of mud?

Can you see the creature in either jar?

What is it like for the animals that live in the mud?

How is mud different from sand?

Station 2. Adaptations of Mud Flat Animals

Look at the pictures of the photos or drawings of these mud flat animals: lugworm, mud shrimp, heart cockle, mud clam and bamboo worm.

Which two animals make a U shaped burrow?

Which two animals have a shell and siphons open to the surface?

Which one animal has the name of a tree that pandas like to eat?



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Station 3. Adaptations of Sand, Gravel and Mud Flat Animals

Look at the photos or drawings of these animals that live in sand, gravel and mud flats: pea crab, bamboo worm and scale worm.

Find the creature that lives inside another animal.

Find the animal that makes a tube home with shell bits.

Find the animal that has leathery skin and can live underground.

Why do you think this animal is called a scale worm?

Station 4. Mud Flat, Sandy Beach and Rocky Shore

Look at the photos of a typical mud flat, sandy beach and rocky shore.

Why do you think most animals burrow under the mud in the mud flat?

What are differences between the rocky shore, sandy beach and mud flat?

Station 5. Echiuroid Worm and Friends

Look at the photo of the echiuroid worm.

Why do you think the echiuroid worm is called the innkeeper?

What is a slime net? How do you think it is used?