High Tide or Low Tide?

Circle how all the animals look at high tide.
This is a picture of the beach at low tide. Color it! Now pretend the tide is changing and the water is coming up on the beach. Color the ocean up to the high tide mark. What happens to the rubber boots and the lunch?
barnacles

how many?

Name:

My Beach Book

worm

how many?

cockle

how many?
octopus
how many?

whelk
how many?

brittle star
how many?

sea star
how many?
jellyfish how many?

sponge how many?

hermit crab how many?

sea anemone how many?
squid
how many?

mussel
how many?

shrimp
how many?

amphipod
how many?
sea cucumber
how many?

chiton
how many?

crab
how many?

clam
how many?
moon snail

how many?

sea squirt

sea slug

how many?

sea urchin

how many?
sand dollar

how many?

limpet

how many?

I saw also

how many?

I saw also

how many?
Make Your Own Wetland

Cut out the wetland picture below and paste onto another piece of paper. Cut out the other pictures and paste them where they belong in the wetland. Then draw a picture of yourself watching the wetland.
Leeches

live in streams and ponds.

A leech eats fish, snails and insects.

It has a sucker on its head and one on its tail. How many leeches can you find in this picture?
Snails

Some snails live in ponds and streams.

They move around on their big ____________________

foot          hand

Snails eat water ____________________

plates          plants

Snails are eaten by fish and animals.

Find these words and circle them

| s | n | i | f | s | s |
| o | p | l | a | n | t |
| f | o | o | t | a | r |
| i | n | s | o | i | e |
| s | d | e | r | l | a |
| h | x | a | e | p | m |
Insects

An adult insect has ________body parts ___________

and ______legs. Its body covering is hard and it has wings.

Young insects are very different. This dragonfly nymph has ______body parts ___________

and _______legs, but its body is soft and its wings are not full grown.
Invertebrate Cutout

Directions: color the invertebrates below. Then cut out the pictures and paste each one in the square with the correct name.

<table>
<thead>
<tr>
<th>snail</th>
<th>leech</th>
<th>dragonfly nymph</th>
<th>amphipod</th>
</tr>
</thead>
<tbody>
<tr>
<td>worm</td>
<td>mayfly</td>
<td>mosquito</td>
<td>clam</td>
</tr>
</tbody>
</table>
Freshwater Life

Directions: Add or subtract the numbers in each area. Color the drawing according to the numbers below.

4-green
5-brown
6-blue

7-black
8-red
9-yellow
Make a Fish

- fins
- tail
Fill in the blanks with one of these words: water gills fins eat fresh

1. Fish breathe with ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ ________ 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Fish Story

HAVE YOU EVER CAUGHT A FISH? I have.

I remember a fish that was fun to catch. Sometimes fishermen tell stories about fish they have caught, BIG STORIES!

Write a fish story, one you would have trouble getting your own mother to believe. Make it a good one. Think about these questions as you write.

1. Where did you go fishing?
2. Who did you go fishing with?
3. Were you in a boat?
4. Did your fish give you a good fight?
5. What size was your fish?
6. What was a funny thing that happened on your trip?

Now paint a picture of your trip. Be sure that the picture shows the best thing that happened in your story.
Fish Find

Directions: do addition or subtraction in each area. Color area according to the number of the answer, using the code.

Fish Color Code
1-Brown 4-Blue 2-Red
6-Black 5-Green 3-Orange
**Salmon Life Cycle**

Color, cut and paste. Place the alevin, smolt fry and eggs in the stream. Put the adult in the ocean.

Put the spawning adults in the stream.
Salmon Maze

Used with permission of Seattle Sea Aquarium.
How does a Frog Grow?

Salamanders, toads and frogs, all begin as polliwogs.

Polliwogs begin as eggs, first sprout tail and later legs.

Eggs are laid by mother frogs who began as polliwogs.
Frog or Toad? Which is Which?

Color me smooth, green and wet.

Color me bumpy, brown and dry.
Legend of Six Frogs  
Cut and paste in story order.

1. Look!
2. Don't eat anything you find near the pond!
3. We're shrinking!
4. Let's have lunch!
5. No!!
What is a Marine Mammal?

First, let's talk about what mammals are!

Mammals are cold-blooded or warm-blooded

Mammals breathe air through lungs or gills

Mammals have feathers or hair

Mammals have eggs or live young

Mammals give their babies milk or meat

Mammals have a 4-chambered head or heart

Marine mammals have all these characteristics and they live in salt water, or around it!!
Color The Marine Mammals

- Seal
- Sea stars
- Fish
- Sea lion
- Porpoise
- Killer whale
- Clam
- Octopus
- Sea horse
- Snail
- Humpback whale
- Crab
Marine Mammal Crossword

Across
1. Large, wrinkled, tusked marine mammal
2. Gray bowhead and humpback whales strain their food through-_________
3. Sea ______can walk on land with their flippers.
4. Sea ______eat floating on their backs.

Use the words:
- baleen
- otters
- toothed
- seals
- bears
- whales
- lions
- walrus

Down
5. Polar __________live on sea ice.
6. _______breathe through blowholes.
7. True __________have flippers, fur and no visible ears.
8. Sperm whales, killer whales and porpoises are, __ whales.
Marine Mammal Match

Directions: color, cut, match and paste

<table>
<thead>
<tr>
<th>walrus</th>
<th>polar bear</th>
<th>dall porpoise</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>sea lion</td>
<td>harbor seal</td>
</tr>
<tr>
<td>killer whale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>bowhead whale</td>
<td></td>
<td>belukha whale</td>
</tr>
</tbody>
</table>

---

[Images of marine mammals and their names]
Whale Count

Directions: Add and color.

3-Red
7-Green
4-Black
8-Yellow
5-Blue
10-Orange

How many whales are there?
Humpback Whale

This humpback whale is breaching. Whales’ hands are called flippers. The humpback has the longest flippers of any whale. Whales’ tails are called flukes. Each humpback has a different pattern on its fluke. On the humpback’s back is a fin.

color the flukes red
color the flippers yellow
color the fin blue
River Otter

Complete the sentences below, using these words:

fish    fur    slide    webs

River otters eat --------------. They

--------------
have --------------- between their toes.

They have brown------which keeps them warm.

River otters often -------------- into the water.

Draw a tail on this river otter.
Mink

Complete the sentences below, using these words:

dens  night  muskrats  swimmers

Mink eat  ________________, other small mammals, birds and fish.

They feed and travel mostly at  ________________.

They dig  ________________ along stream and lake banks.

Mink are excellent  ________________.

Draw a tail on this mink
Muskrat

Complete the sentences below, using these words:
tails plants houses scent

Muskrats eat ---------and sometimes clams

and fish.

They live in muskrat ---------or in burrows.

Muskrats have long, black, naked, scaly-----

Sometimes muskrats make ---------posts to
tell other muskrats that they have been there.

Draw a tail on this muskrat.
Complete the sentences below, using these words:

Beavers eat tree---

Their tails are

Beavers build lodges and----out of branches

They work mostly at

Draw a tail on this beaver.
Water Mysteries

Read the tracks. Then color the animal red that built the dam.

Color the animal green that's living in the old beaver lodge.
Color the animal blue that slid down the bank.

Who ate the frog?

What did the otter eat?
Freshwater Mammal Puzzle
Directions: Color, cut, match and paste

- Muskrat
- Mink
- Beaver
- Otter
Animal and Human Habitats

Animals—including people—need water, food and cover. Here are four habitats.

How are these habitats alike? How are they different?

Color the water blue. Color the food yellow. Color the cover red.
### Invertebrate or Vertebrate?

<table>
<thead>
<tr>
<th>Vertebrate animals with backbones</th>
<th>Invertebrate animals without backbones</th>
</tr>
</thead>
<tbody>
<tr>
<td>B beaver</td>
<td>B bird</td>
</tr>
<tr>
<td>F frog</td>
<td>F fish</td>
</tr>
<tr>
<td>O otter</td>
<td>S sea star</td>
</tr>
<tr>
<td>W whale</td>
<td>S snail</td>
</tr>
<tr>
<td>L leech</td>
<td>C clam</td>
</tr>
<tr>
<td>S seal</td>
<td>I insect</td>
</tr>
<tr>
<td>A anemone</td>
<td>C crab</td>
</tr>
</tbody>
</table>

**Name:**

9B