

SATURDAY AT THE SEA PRE-TRIP QUESTIONNAIRE

"What do you think about Science"

NAME _____ EMAIL _____
SCHOOL NAME _____ SCIENCE TEACHER _____
DATE _____ SATS DATE _____

1. What do vertebrates have that invertebrates do not? _____

2. In my life, have been to the beach (check one):

____ 0 times ____ 1-5 times ____ 5-10 times ____ more times than I can count!

3. True/False Statements:

- ____ Plants in the ocean produce oxygen that we breathe.
- ____ I think that I could be a scientist
- ____ Salinity never changes in an estuary.
- ____ Phytoplankton is important to humans
- ____ I like to be outside, exploring nature
- ____ The salinity of freshwater is 35 parts per thousand (= 35 ppt)
- ____ I would like to be a marine biologist
- ____ I directly affect the health of our ocean
- ____ I like science
- ____ Most commercially important sea animals spend part of their lives near our coast
- ____ I am excited to be going on this trip to the coast

4. What are **TWO** ways that salt water is DIFFERENT from freshwater ?

1.

2.

5. Circle your "saltiness-factor":

1

I hate the beach!
Yuck! Salt!!!

2

The beach is "ok", but
I'd rather be outside
somewhere else

3

I enjoy going to the beach
every once and a while
(but a few times a year is enough!)

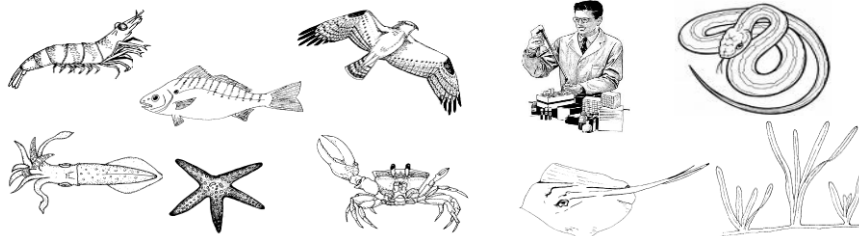
4

The beach is pretty fun
I like to go often

5

I'm part fish!!!!
I'd go to the beach
everyday if possible!

6. Circle all of the invertebrates in this picture:



7. What are **TWO (2)** ways that the ocean is different from a lake?

1.

2.

8. Write down 1 **OBSERVATION** & 2 **INFERENCES** about the following picture:



OBSERVATION 1 _____

INFERENCE 1 _____

INFERENCE 2 _____

9. List **TWO** ways that oyster bar habitats are **SIMILAR** to seagrass habitats?

1.

2.

10. List **TWO** ways that oyster bar habitats **DIFFER FROM** seagrass habitats?

1.

2.

11. True/False Statements:

- _____ Salinity influences where an animal can live
- _____ Most rain comes from the ocean
- _____ Humans have explored most of the ocean
- _____ Sandy bottom habitats contain very little life
- _____ Most marine animals rely on their eyesight to detect predators
- _____ I think science is cool
- _____ The ocean is connected to all major waterways
- _____ I feel like I know a lot about marine biology
- _____ All local marine habitats contain the same amount of life
- _____ Phytoplankton are small animals

12. The percent of the ocean that has been explored is (check one):

_____ less than 50% _____ ~50% _____ more than 50%

13. Circle all of our **LOCAL** marine **HABITATS**:

- *seagrass bed *lake *coral reef *oyster bar *clam bed *salt marsh *ocean
- *sandy bottom *mangrove forest *kelp forest *polar sea *bog *rocky seashore

14. Why should we study the ocean?