

ARE YOU WONDERING HOW THE SATELLITES GOT THEIR NAMES?

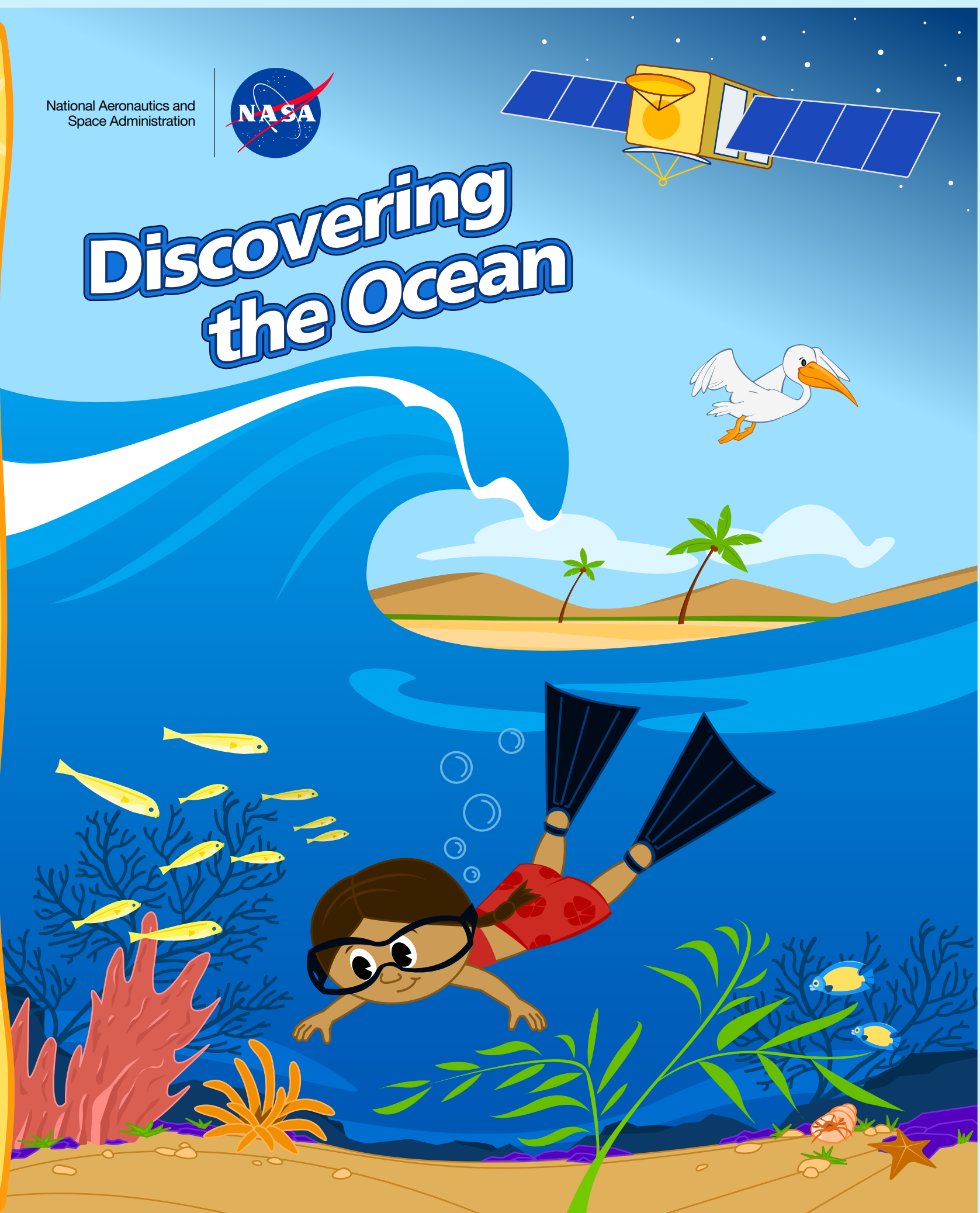
WELL, TOPEX IS SHORT FOR "OCEAN TOPOGRAPHY EXPERIMENT," AND POSEIDON IS THE GREEK GOD OF THE SEA. THE JASON SATELLITES WERE NAMED FOR JASON, A SAILING HERO IN GREEK MYTHOLOGY.

Name: _____

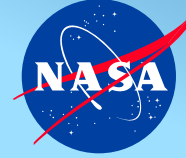
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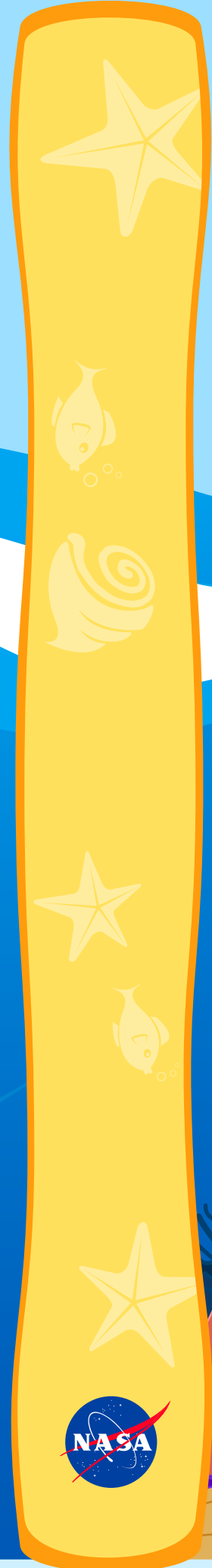
Teacher: _____



National Aeronautics and Space Administration



Discovering the Ocean



What's Up Down There?

WOW! THE OCEAN IS REALLY WARM HERE, AND THERE ARE SOME GREAT FISH TOO!

GOOD...IT'S GETTING TO BE MY LUNCHTIME.

WHAT ARE YOU SAYING?

WELL, FROM WAY UP HERE I CAN SEE WHERE MY NEXT MEAL IS COMING FROM.

ARE THE SATELLITES LOOKING FOR FISH TOO?

NOT ENTIRELY. THEY TELL US ALL KINDS OF THINGS ABOUT THE OCEAN.

LIKE WHAT?

YOU KNOW, SATELLITES HAVE AN EVEN BETTER BIRDS-EYE VIEW THAN YOU DO.

THAT'S FASCINATING! BUT IT STILL DOESN'T ANSWER THE MOST IMPORTANT QUESTION.

WHICH IS?

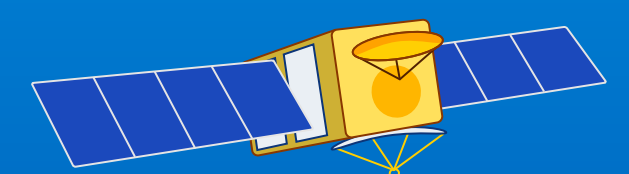
WHAT'S FOR LUNCH?

LIKE HOW THE CURRENTS CHANGE, WHERE STORMS ARE, AND WHERE THE FISH MAY BE, TOO. THEY CAN EVEN SEE EL NIÑO, A BIG POOL OF WARM WATER IN THE PACIFIC THAT CHANGES WEATHER ALL OVER THE WORLD.

Be a Junior Oceanographer!
Visit http://sealevel.jpl.nasa.gov/jr_oceanographer/

Discover more about the ocean and climate:
<http://sealevel.jpl.nasa.gov>
<http://climate.nasa.gov/kids>

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The Jason Satellite Series

TOPEX/Poseidon was the first of a series of NASA satellites that measure sea level and ocean features. Flying from 1992 to 2005, it helped scientists predict the 1997–1998 El Niño. Next was Jason-1 in 2001 and Jason-2 in 2008. They continue to make measurements that improve our understanding of the ocean and global climate.

- ### What you should know about the ocean
- #### 7 Essential Principles
1. Earth has one big ocean with many features. (Mountains, volcanoes canyons, and more are features of the ocean just as they are on land.)
 2. The ocean and life in the ocean shape the features of Earth.
 3. The ocean is a major influence on weather and climate.
 4. The ocean makes Earth habitable. (The ocean makes Earth livable.)
 5. The ocean supports a great diversity of life and ecosystems. (The ocean supports many different kinds of plants and animals.)
 6. The ocean and humans are inextricably linked. (The ocean and humans are closely connected.)
 7. The ocean is largely unexplored.

Conversion Table

English to Metric

To obtain	multiply	by
Centimeters	Inches	2.54
Meters	Feet	0.305
Meters	Yards	0.914
Kilometers	Miles	1.609
Grams	Ounces	28.350
Kilograms	Pounds	0.454
Liters	Gallons (U.S. Liquid)	3.785
Milliliters (cc)	Fluid Ounces	29.574

