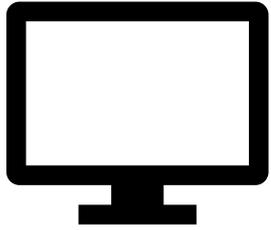


PLANET NEPTUNE



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PLANET NEPTUNE

Neptune is the 8th planet from the Sun, with a distance of 2.8 billion miles (4.5 billion km) from the Sun. Neptune is 30 times further from the Sun than Earth is. It has the third-largest mass and fourth-largest diameter of the eight planets. The radius is 15,387 miles (24,764 km), and the diameter is 30,598 miles (49,244 km). Neptune is four times wider than Earth. Many consider Neptune to be Uranus' twin due to its similar size and composition.

Neptune is the smallest of the ice giants. This coldest planet in the solar system has a blue hue. There is a blanket of fog, ammonia, and methane with a center about the size of Earth. Like Uranus, the blue color comes from the methane in the atmosphere. Methane absorbs red light from the Sun. However, the blue light gets reflected back into space, so Neptune appears blue.

The planet Neptune has an upper atmosphere of clouds, an atmosphere of hydrogen, helium, and methane, a mantle with water, ammonia, and methane ices, and a core of rock and ice. Most of Neptune's energy comes from the inner core. In the lower region of Neptune, there is a water-ammonia ocean deep inside. While some consider it icy, it is scorching, dense fluid. Some scientists also think that methane transforms into diamond crystals that "rain."

Neptune is named after the Roman god of the sea due to its color. In Greek mythology, that is Poseidon. There is some controversy over who discovered Neptune. At first, astronomers determined that Uranus' orbit around the Sun didn't match their predictions. So, they assumed that another planet was pulling on Uranus with gravity. Now astronomers understand that Neptune has the second-largest gravity of the planets (Jupiter has the largest). Neptune also has a powerful magnetic field which is 27 times stronger than Earth.

Neptune formed about 4.5 billion years ago. Some astronomers think it was closer to the Sun originally and drifted away about 4.5 billion years ago.

What planet is considered Neptune's twin? *

- Jupiter
- Earth
- Uranus
- Mercury

What is Neptune's largest moon called? *

- Triton
- Ganymede
- Minus
- None of the above

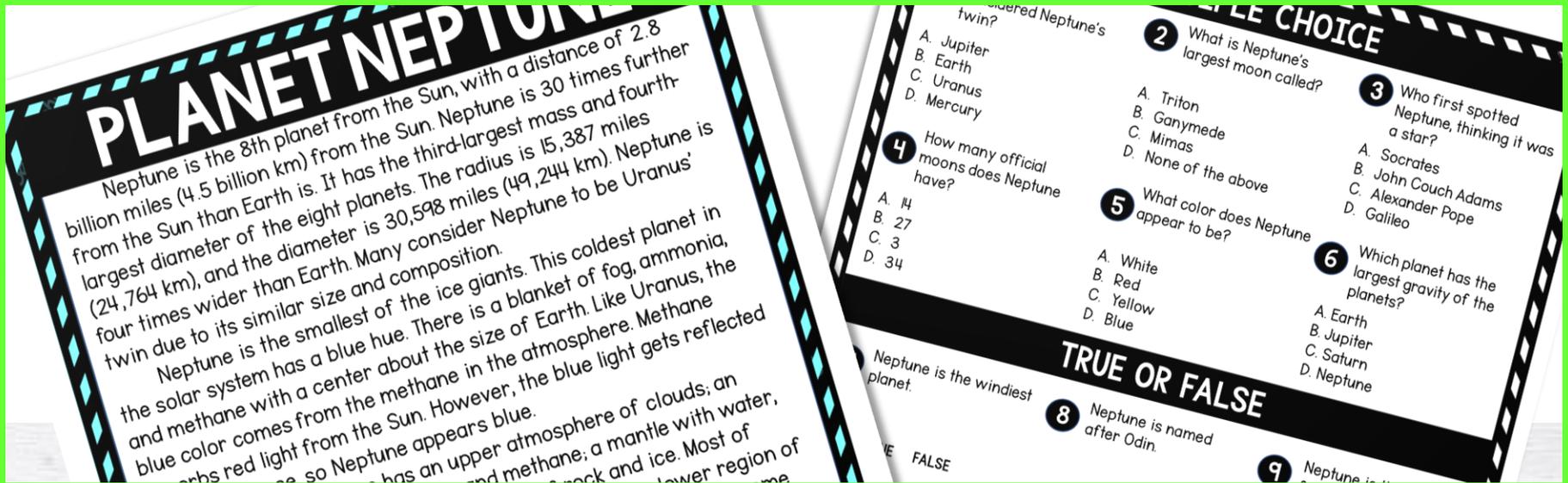
Who first spotted Neptune, thinking it was a star? *

- Socrates
- John Couch Adams
- Alexander Pope
- Galileo

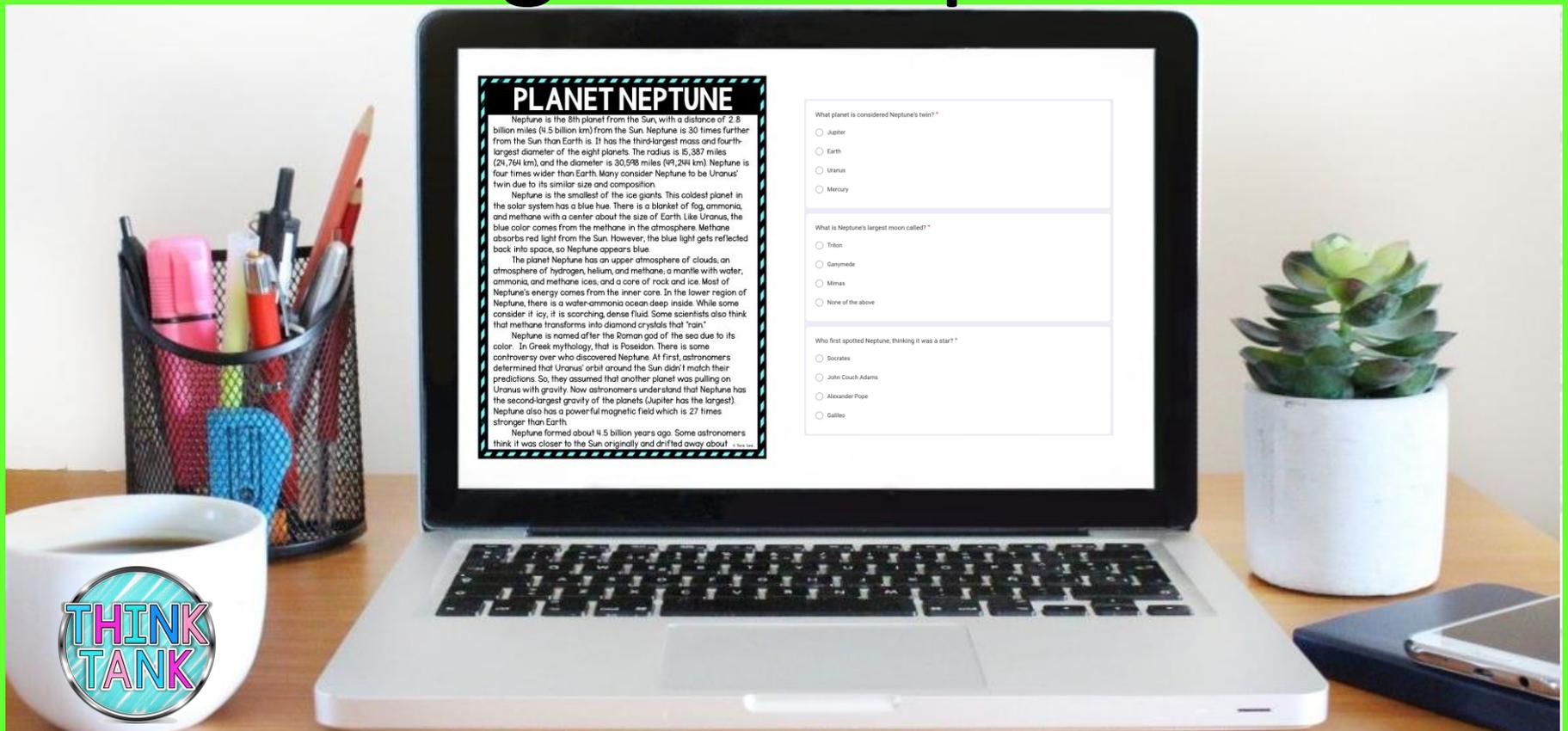


READING PASSAGE

15 QUESTIONS



Digital or print



INCLUDED

- ✓ READING PASSAGE
- ✓ TEACHER DIRECTIONS
 - ✓ ANSWER KEY
 - ✓ 15 QUESTIONS
 - ✓ SELF-GRADING
- ✓ PRINTABLE VERSION
- ✓ DIGITAL VERSION



QUESTION TYPES

-  **MULTIPLE CHOICE (6)**
-  **TRUE OR FALSE (9)**
-  **EDITABLE QUESTIONS
(FOR DIGITAL VERSION)**

True

False



STUDENTS NEED

✓ ACCESS TO GOOGLE CLASSROOM™
(IF USING THE DIGITAL FORMAT)

✓ GOOGLE™ ACCOUNTS

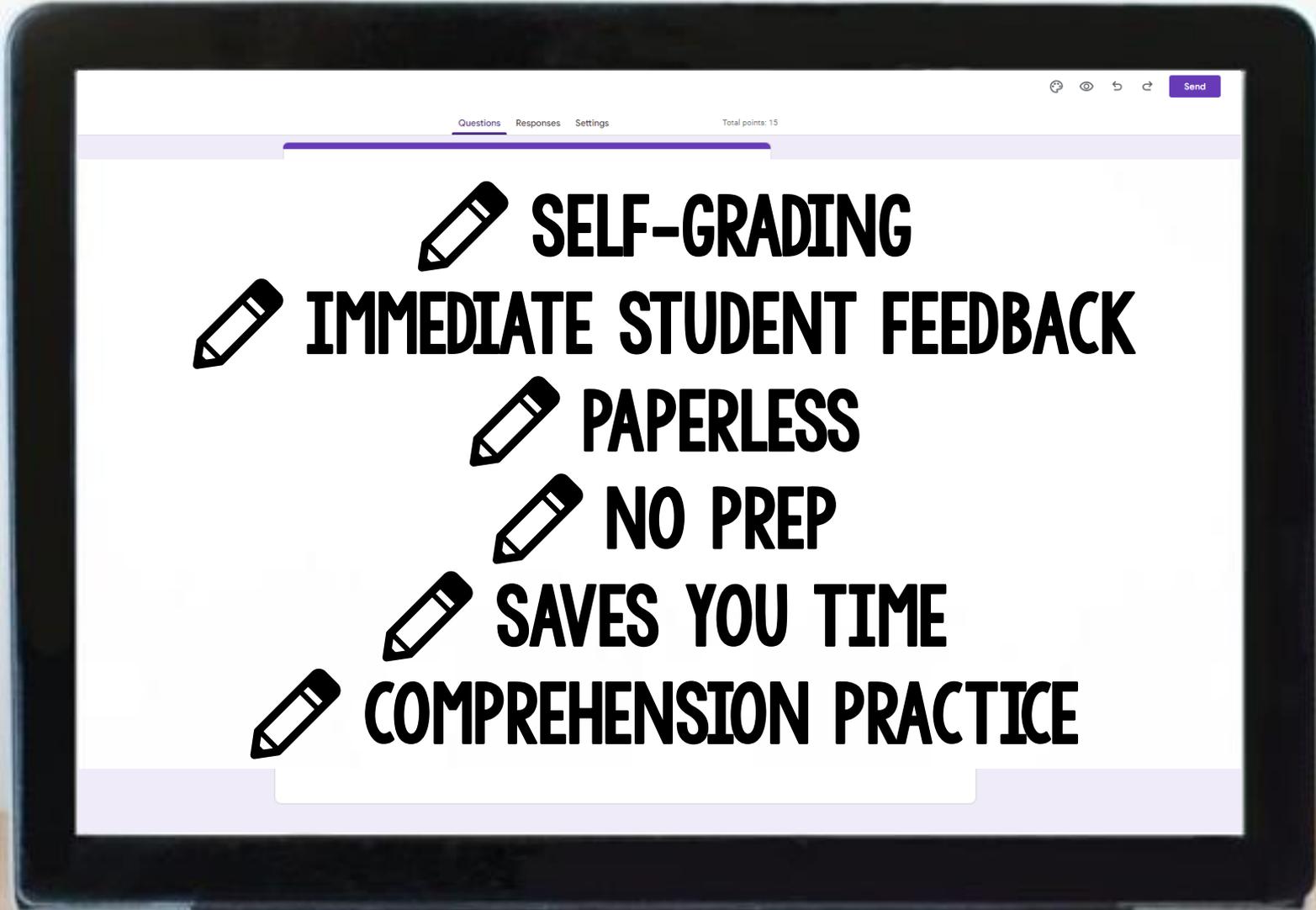
✓ KNOW HOW TO ZOOM IN AND ZOOM OUT TO
ENLARGE OR SHRINK THE SCREEN

True

False



BENEFITS

- 
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 -  **COMPREHENSION PRACTICE**



OPTIONS



FRONT-LOADING



GROUP STATIONS



SUB PLANS



UNIT REVIEW



ENRICHMENT ACTIVITY



DIGITAL



PRINTABLE

