PLAY TIME
PREVIEW
©Think Tank

PLANET NEPTUNE ANTICIPATION GUIDE

Read each statement and decide if it is True or False. Complete the left column before the reading by circling the T for True or the F for False. Complete the right column after finish the reading. Did any of your answers change?

BEFORE READING	STATEMENT	AFTER READING
T F	ptune is the windiest planet.	T F
T F	ptune is named after Odin.	T F
T F	Nept s the h planet from the Sun.	T F
T F	A nomers d mathe tics to calculate where Neptu ould be.	T F
T F	The noons are ned after ds of water.	T F
T F	Neptune allest of the iants.	T F
T F	In 1999, Discovery 2 spott e of th most sign ms.	T F
T F	Light from Neptune s about f ours reach arth.	T F
T F	There is a water-ammoni ean deep side.	T F

PREVIEW

DID YOU KNOW?

Triton was originally t be a ball of ice.

© Think Tank 2020

Think Tank Copyright 2020

Planet Neptune

Name: _____

Answer the questions below. Then on the coloring page, color each numbered section with the corresponding color.
If there is any space left over, color it your choice! Follow the directions provided to cite evidence from the reading.

Questions	Text Evidence	Answer A	Answer B
#1 What planet is considered Neptune's twin?	Find proof in the reading and UNDERLINE it in PURPLE	Saturn ORANGE	Uranus RED
#2 What is Neptune's largest moon called?	Find proof in the reading and CIRCLE it in GREEN	Triton PURPLE STRIPES	Ganymede BLUE STRIPES
#3 Who first spotted Neptune, thinking it was a star?	Find proof in the reading and BOX it in RED	Galileo YELLOW	John Couch Adams ORANGE
#4 How many official moons does Neptune have?	Find proof in the reading and BOX it in YELLOW	27 RED	14 ORANGE
#5 What color does Neptune appear to be?	Find proof in the reading and CIRCLE it in ORANGE	Blue BLUE	Red BROWN
#6 Which planet has the largest gravity of the planets?	Find proof in the reading and UNDERLINE it in PURPLE	Neptune ORANGE STRIPES	Jupiter GREEN STRIPES

PREVIEW

PLANET NEPTUNE

Neptune is the 8th planet from the Sun, with a distance of 2.8 billion mile[illegible] billion km) from the Sun. Neptune is 30 times further from th[illegible]un [illegible]n Earth is. It has the third-largest mass and fourth-lar[illegible]iamet[illegible]f the eight planets. The radius is 15,387 miles [illegible],764 [illegible] the [illegible]iameter is 30,598 miles (49,244 km). Neptune is four times wider [illegible]arth. Many consider Neptune to be Uranus' twin due to i[illegible]milar [illegible]e and composition.

Nep[illegible]e [illegible]e s[illegible]lest of the ice giants. This coldest planet in the sol[illegible] sys[illegible]m has a blu[illegible]e. There is a blanket of fog, ammonia, and methan[illegible] with a c[illegible] ab[illegible]t the size of Earth. Like Uranus, the blue color c[illegible]mes f[illegible]e meth[illegible]e in the atmosphere. Methane absorbs red li[illegible]rom t[illegible] Sun. How[illegible]ver, the blue light gets reflected back into space[illegible] Neptune appe[illegible]s blue.

The planet Ne[illegible]une has a[illegible]per atmosphere of clouds; an atmosphere of hydrogen, hel[illegible], and m[illegible]ne; a mantle with water, ammonia, and methane ic[illegible]n[illegible]e of r[illegible]k and ice. Most of Neptune's energy comes [illegible]he inner core[illegible] the lower region of Neptune, there is a water-ammonia ocean [illegible]side. While some consider it icy, it is scorching, dense fl[illegible] Some scientists also think that methane transforms into d[illegible] crystals th[illegible]in."

Neptune is named after the [illegible]man god [illegible]e s[illegible]due to its color. In Greek mythology, that is P[illegible]eido[illegible]e is so[illegible] controversy over who discovered Nept[illegible]. At fi[illegible] astrono[illegible]ers determined that Uranus' orbit around th[illegible]un didn't mat[illegible]heir predictions. So, they assumed that anothe[illegible]anet was[illegible]ling on Uranus with gravity. Now astronomers understand [illegible]n Neptune has the second-largest gravity of the planets (Jupiter [illegible]gest). Neptune also has a powerful magnetic field whic[illegible] 27[illegible]nes stronger than Earth.

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

© Think Tank

PRINTING