

# NEPTUNE

Neptune is the 8th and last planet from the sun in our solar system. It has 14 known moons and was named after the Greek god of the sea. It is 4 times as wide as Earth and has a similar composition to Uranus with a covering of icy water, methane and ammonia and an atmosphere of hydrogen, helium and methane.

It was visited by NASA's in 1989 on its way out of the solar system. The Voyager 2 recorded that it was dark, cold and whipped by supersonic winds. It also recorded five main rings and four more ring arcs, which are clumps of dust and debris thought to be formed by the gravity of a nearby moon.

More than 30 times as far from the Sun as Earth, Neptune is the only planet in our solar system not visible to the naked eye and the first predicted by mathematics before its discovery. Neptune is 4.5 billion kilometres from the sun and while it takes only 16 hours to rotate once (a Neptunian day) it takes 165 years to orbit the sun (an Earth year). In 2011 it completed its first orbit since its discovery in 1846.

Fill in the blanks below to know which words to find in the find-a-word. The remaining 8 letters tell you -

What type of music astronauts love. \_\_\_\_\_

- \_\_\_\_\_ is 4.5 \_\_\_\_\_ kilometres from the sun.
- It is \_\_\_\_\_ planet in the solar system.
- While we have 1 moon Neptune has \_\_\_\_\_.
- Neptune take 165 \_\_\_\_\_ to orbit the sun.
- It has only been visited once by \_\_\_\_\_ 2 in 1989.
- Its surface is covered in water, \_\_\_\_\_ and \_\_\_\_\_.
- Its atmosphere is made \_\_\_\_\_, methane and \_\_\_\_\_ and would smell of rotten eggs or farts like Uranus.

N	H	Y	E	A	R	S
M	E	T	H	A	N	E
E	L	F	Y	P	E	A
E	I	O	D	V	P	M
I	U	U	R	O	T	M
G	M	R	O	Y	U	O
H	O	T	G	A	N	N
T	O	E	E	G	E	I
H	N	E	N	E	T	A
U	S	N	N	R	E	S
B	I	L	L	I	O	N

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Earth, Jupiter, Mars, Mercury, Neptune, Saturn, Uranus, Venus, Sun



# NEPTUNE

## ANSWER SHEET

What type of music astronauts love.  N E P T U N E S

1. NEPTUNE is 4.5 BILLION kilometres from the sun.
2. It is EIGHT planet in the solar system.
3. While we have 1 moon Neptune has FOURTEEN MOONS.
4. Neptune take 165 YEARS to orbit the sun.
5. It has only been visited once by VOYAGER 2 in 1989.
6. Its surface is covered in water, METHANE and AMMONIA.
7. Its atmosphere is made HYDROGEN, methane and HELIUM and would smell of rotten eggs or farts like Uranus.

N	H	Y	E	A	R	S
M	E	T	H	A	N	E
E	L	F	Y	P	E	A
E	I	O	D	V	P	M
I	U	U	R	O	T	M
G	M	R	O	Y	U	O
H	O	T	G	A	N	N
T	O	E	E	G	E	I
H	N	E	N	E	T	A
U	S	N	N	R	E	S
B	I	L	L	I	O	N