

# IMMERSION education



IMMERSION  
EDUCATION

MISSION TO MARS

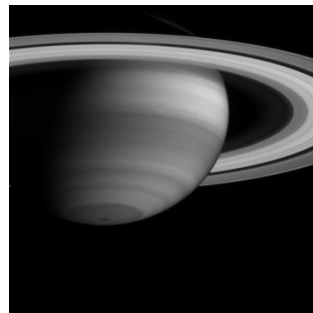
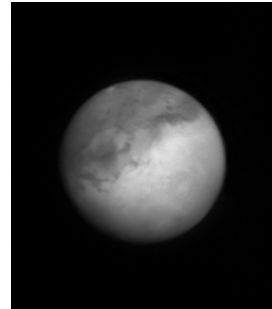
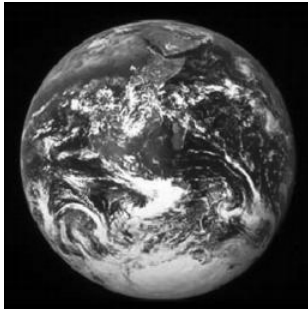
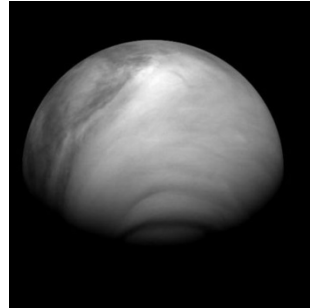
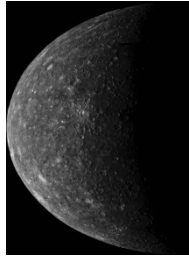


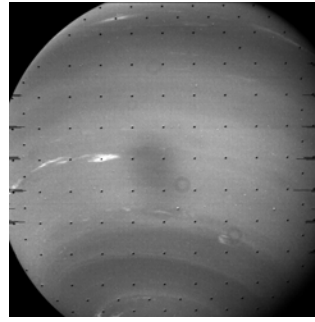
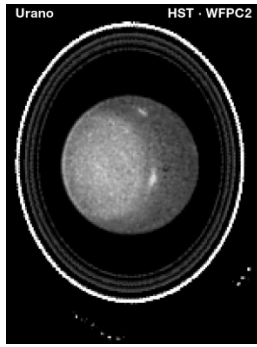
## MISSION BRIEFING 2010

Our destination is Mars, the 4<sup>th</sup> planet in the system of planets orbiting round the star, Sol.

The Solar system consists of 8 planets; 4 rocky planets close to the Sun and 4 gas giants a long way out from the Sun.

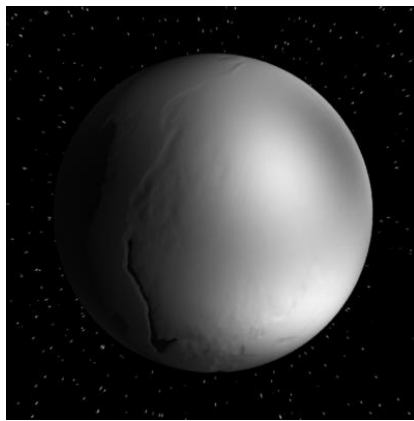
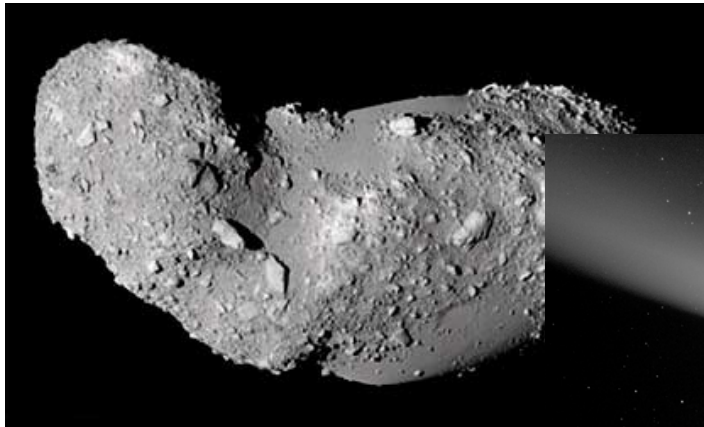
Can you identify the planets of the Solar system?





### STOPPING OFF ALONG THE WAY

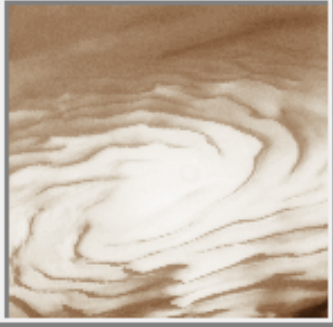
Below are pictures of three other objects you might see in the system.  
What are they?





## Martian Rivers

$-50^{\circ}\text{C}$  is the average temperature on Mars, sometimes it gets a lot hotter ( $20^{\circ}\text{C}$ ), sometimes a lot cooler ( $-140^{\circ}\text{C}$ ). How will you survive these temperatures?



In the Summer on Mars, the Northern Ice Cap (pictured left) melts and, we believe, this is mainly water ice.

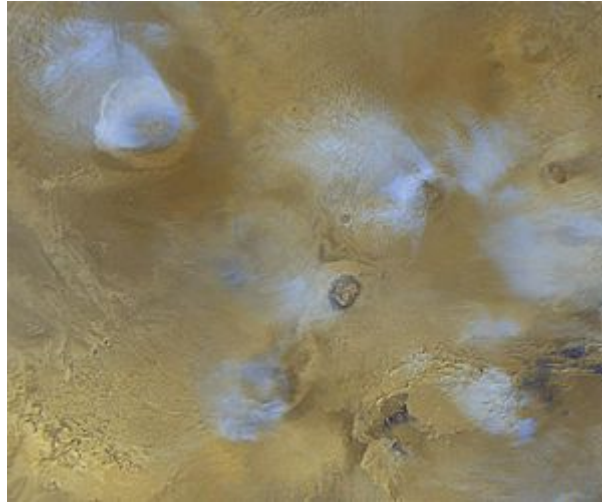
Sometimes rivers flow on Mars, you will see river valleys on Mars similar to ones you have seen on Earth. Can you complete the following wordsearch?

R	L	S	P	S	E	K	L	M	T	M	N	B	G	E
X	U	Q	M	W	M	B	G	X	O	O	P	L	I	S
W	N	P	Y	P	P	Q	L	S	Q	U	P	N	W	D
A	G	G	E	R	L	L	A	F	R	E	T	A	W	Z
G	E	X	L	D	O	U	W	X	Q	V	H	H	I	P
E	M	S	L	W	C	Y	B	R	Y	A	W	A	W	Y
J	G	V	A	L	C	J	A	U	Z	O	D	I	D	B
B	Q	A	V	J	Z	M	N	V	O	Q	D	E	R	U
J	Z	C	R	H	X	M	K	I	Q	K	V	E	J	R
R	I	V	E	R	A	W	W	I	T	P	S	S	C	M
W	B	U	N	E	A	O	W	C	Q	I	N	U	C	T
F	Y	C	R	K	T	B	K	A	X	W	J	C	Z	G
I	H	T	Q	E	W	S	H	G	P	H	Q	I	K	E
M	S	Q	E	Y	D	Z	F	K	M	W	A	W	X	N
G	S	S	Y	W	O	L	F	D	S	Q	F	C	L	S

BANK  
BARRAGE  
FLOW  
MOUTH  
RIVER

SEA  
STREAM  
TEES  
VALLEY  
WATERFALL

## Martian Volcanoes



The picture above is of the region of Mars called Tharsis. The Tharsis volcanoes are the biggest in the Solar System, with the biggest being Olympus Mons. The clouds that can be seen above the volcanoes suggest that they are still emitting heat. Find a path between the volcano and the water that might account for the clouds.

