You observe round (circular) holes in the surface of a planet. What might these features be?

Craters or Impact Craters

Are there channels on Mars that look like the channels on Earth that are carved by flowing rivers?

Yes

What is one piece of evidence that Mars, at one time, had flowing water on its surface?

There are (dried) river channels on the surface of Mars
Where have we SEEN volcanos erupt?
Mars? Earth?

Volcanos occur on which?
Mars? Earth?

What causes craters to form?

Asteroids and comets hitting the surface of a planet

Mars AND Earth

We have only SEEN volcanos erupting on Earth
You observe a long, narrow, ribbon-like channel on the surface of a planet. What might have created this feature?

Get it Right? Advance 2 spaces
Get it Wrong? Go back 1 space

One of the Mars rovers you were tracking just rolled into a crater and is stuck. Sorry!

Stay Put

You just got swept away in a giant dust storm on Mars’ surface. Sorry!

Go back 1 space

A river or stream

No Answer

No Answer

A#___

A#___

A#___
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the name of the tallest volcano on Mars?</td>
<td><strong>Olympus Mons</strong></td>
</tr>
<tr>
<td>The interiors of both Mars and Earth have a core, a ______, and a ______.</td>
<td><strong>Mantle</strong> and <strong>Crust</strong></td>
</tr>
<tr>
<td>What is molten (liquid) rock under the surface of a planet called?</td>
<td><strong>Magma</strong></td>
</tr>
</tbody>
</table>

Got it Right? Advance 2 spaces
Got it Right? Advance 3 spaces
Got it Wrong? Go back 1 space

When all cards are finished, cut out and use with board.
What do volcanos on the surface of a planet tell us about the inside of that planet?

Which is taller, Mars’ tallest volcano, Olympus Mons, or Earth’s tallest volcano, Mauna Kea in Hawaii?

Why does Earth have smaller volcanos than Mars, and why do they form chains?

What do volcanos on the surface of a planet tell us about the inside of that planet?

Olympus Mons

Earth’s surface is made of plates that move

The planet is hot enough inside to melt rock (make magma)
### Question & Answer Cards

**Inside Mars**

You see a tall cone-shaped feature on the surface of a planet. What might it be?

- **A volcano**

---

A Mars dust devil just whisked over your rover and gave its solar panels a much needed cleaning.

- **No Answer**

---

You just got bonked by a meteorite headed for the martian surface and it knocked you back.

- **No Answer**

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**Got it Right? Advance 2 spaces**

**Got it Wrong? Go back 1 space**

Advance 3 spaces

Go back 1 space

When all cards are finished, cut out and use with board.