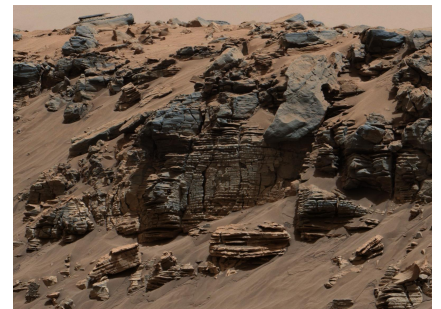
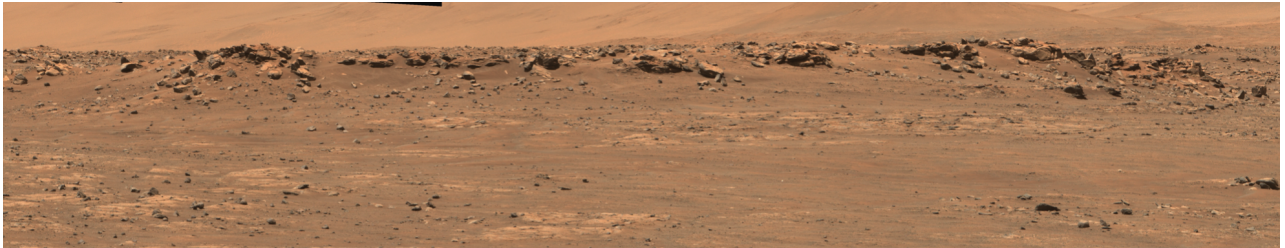


Please refer to the Teacher Resource document for information on how to use the worksheet for the activity.

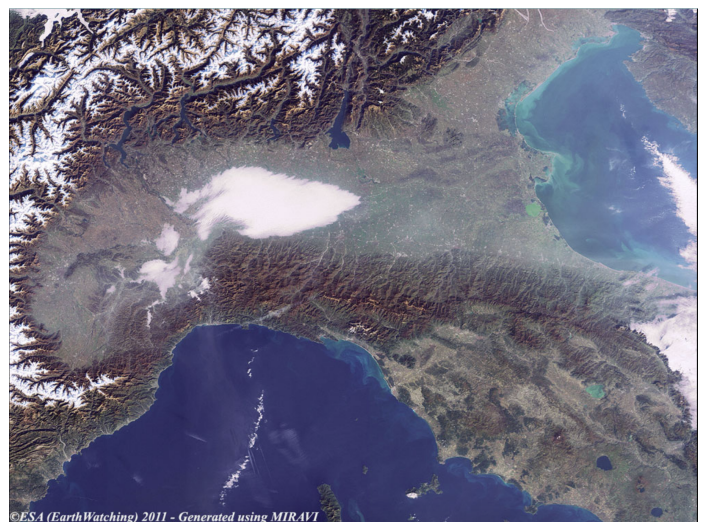
Q1. a) Examine the images of the Earth and Mars below.

(Sources: [NASA Perseverance Mars Rover](#); [NASA Ingenuity Mars Helicopter](#); [NASA Curiosity Mars Rover](#))

Mars Images ([Mars Video](#))



Earth Images ([Earth Video 1](#) and [2](#))



Q1. b) Make a note of the **similarities and differences** between Earth and Mars, based on the images in Q1. a).

Expected Responses:

Earth:

- Is mostly blue in colour from the oceans and seas with land (green or brown in colour).
- There is also snow or cloud cover in some of the images.
- There are mountains, valleys, lakes, volcanoes, forests, jungles etc.
- The landscape is varied.

Mars:

- It is mostly a yellow-brown-red colour.
- It looks dry and dusty like a desert.
- There are a lot of rocks and ridges.
- There are craters and mountains.
- There is no water/clouds/snow visible in the images.
- The landscape looks similar in all of the images, it is not as varied as Earth.
- There is no greenery (no forests, trees, plant life etc.)

Q2. Do you think Humans could live on Mars? What other **questions** do you have about life on Earth or Mars after examining the images in Q1 a)?

Students can give their own arguments for Humans living on Mars and why it is feasible/ not possible without technology. Students are expected to be drawing on personal knowledge of the topic for this task. Students can use this activity as a time to ask any questions they may have based on the images in Q1. a).

Expected Responses:

Yes

- Humans live in countries that have deserts on Earth so it should be fine on Mars too.
- Humans can build special houses on Mars to help them live there.
- I read/heard/watched something about Mars and I know it can happen in the future.

No

- There is no water
- It's smaller than Earth
- The landscape looks rocky so it would be difficult for farming or building houses, it looks like unstable ground.
- I read/heard/watched something about Mars and I know it won't work unless we build special living quarters but I think it's too hard to do that etc.