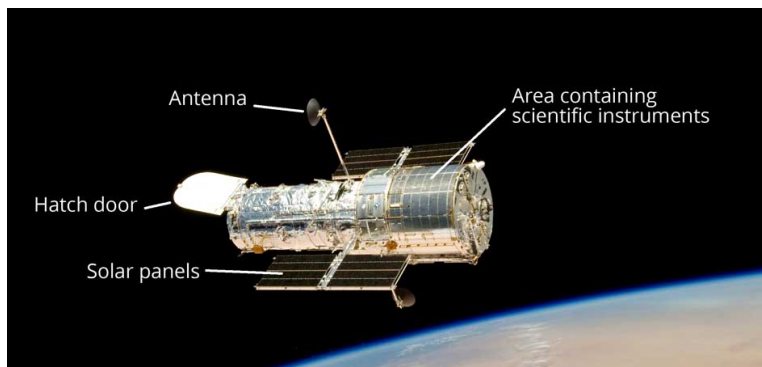


The Hubble Space Telescope

This task is about the Hubble Space Telescope.

The Hubble Space Telescope (HST) was placed into an orbit around the Earth at an altitude of 610 km in April 1990. The Hubble weighs 11 tonnes on the Earth.



Source: Image: Nasa, Public domain

a) What would be the function of these parts on the HST?

i) Antenna:

ii) Solar panels:

b) What is the main advantage of having a telescope above the Earth's atmosphere instead of on the Earth's surface?

c) The scientific instruments on the HST measure all of the following about stars and distant faint objects except their

composition

origin

motion

brightness

temperature

Explain your answer.

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