

Imaging techniques in space telescope

Exercise 1) (Individual work)

Watch this video on imaging techniques until minute 3:30:

<http://www.mediatheque.lindau-nobel.org/videos/36501/2016-mini-lecture-imaging-science>

Make a note of what types of space telescope exist in relation to imaging techniques.

1.

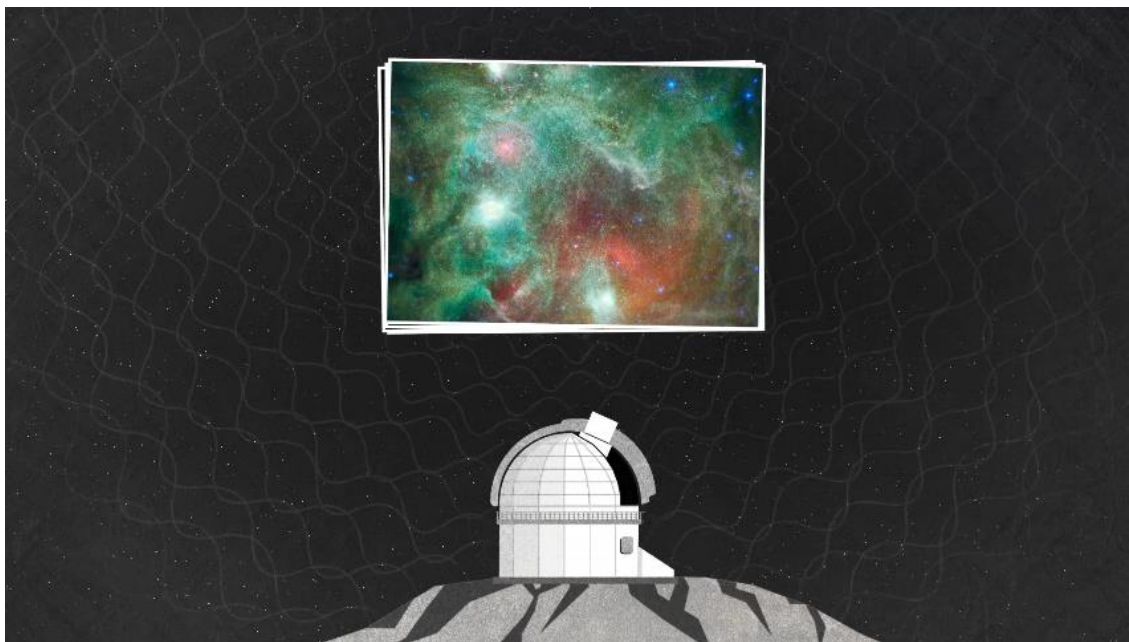
2.

3.

4.

5.

6.



Exercise 2) (Work in pairs)

Compare an image of different star constellations from the visible spectrum with an infrared image.
Then answer the following questions:

- a) Which details are visible with infrared light?
- b) What is the difference between visible light and infrared light?

Note:

The following key words can help with Internet research:

- **Hubble Space Telescope**
- **Spitzer Space Telescope**
- **Pillars of Creation**
- **Spiral Galaxy M101**
- **Messier 82**
- **Carina Nebula Pillar**

Results/notes:
