## Today's Class: The Hubble & James Webb Space Telescopes

- Reading: Section 6.4 in Cosmic Perspective.
- · Homework #3 due by 5





## **Last Class**

- The Hubble Space Telescope (HST) - visible and uv
- The James Webb Space Telescope (JWST) - near IR

- a) all wavelengths can be seen, even those that don't penetrate Earth's atmosphere
- b) images may be sharper, without moving air to blur them
- c) you are closer to the stars, for a better view
- d) a and b

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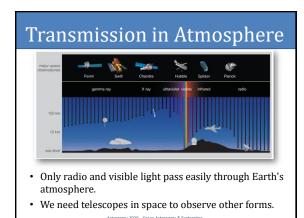
## Today's Class

- · Why do we put telescopes in space?
  - Access to more of the electromagnetic spectrum
  - Turbulence in the atmosphere
- The Hubble Space Telescope (HST) & the **Cosmic Origin Spectrograph (COS)**
- The James Webb Space Telescope

Why do we put telescopes into space?



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Why do we put telescopes into space?
Forms of light other than radio and visible do not pass through Earth's atmosphere.
Also, much sharper images are possible because there is no turbulence.

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