



## Aerospace Engineer Answer Key

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- 1. What is the difference between the Hubble Telescope and the James Webb Space Telescope?**  
A: The Hubble telescope orbited (went around) the earth. The James Web Space Telescope will go over a million miles away from the earth to look at the infrared spectrum.
- 2. Where are all the science instruments located on the James Web Space Telescope?**  
A: The science instruments are located behind the (large) primary mirror.
- 3. What is the base (bottom) of the James Web Space Telescope called? What does it do?**  
A: A sun shield. It keeps the top part and instruments cool and the bottom of it warm, like a million SPF sunscreen protecting all of the instruments.
- 4. What do NASA workers need to wear when inside the clean room?**  
A: A clean room suit and a mask
- 5. Why is it important to keep the clean room absolutely clean?**  
A: The James Webb Space is an optical item. It can't have dust or smudges or oils to get onto the mirrors.

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