

Building a Base on the Moon

<https://www.youtube.com/watch?v=iXG9voQnw0E>

True (T) or False (F)

1. A moon base could be used as a refueling station for missions to Mars. _____
2. According to NASA, it would take 30 years to build a base on the Moon. _____
3. It would cost around USD \$10 Billion to build a temporary base on the Moon. _____
4. Building a habitat on the Moon is doable thanks, in part, to 3D printing and robotics. _____
5. Researchers propose to set up the base near the Moon's north pole. _____
6. First, we'd drop the construction equipment and then we send rovers to scout. _____
7. The lunar habitat should be something inflatable. _____

Answer the questions about the video:

- 1. What important event regarding a Moon base took place in August 2014?**
 - a. The first mission to create a Moon base was executed.
 - b. The ESA developed a set of plans to build a Moon base.
 - c. Steve Jurvetson organized a workshop with 50 space scientists.
- 2. Why does the video mention housing, food, air and water?**
 - a. To exemplify the cost of transporting supplies from Earth to the Moon.
 - b. To state what the Moon astronauts would need to farm to survive on the Moon.
 - c. To show the importance of a good diet to become an astronaut.
- 3. Why do researchers think the base should be located on the north pole?**
 - a. It's easier to access the Moon there when travelling from Earth.
 - b. It has constant sunlight unlike the other sides of the Moon.
 - c. There is not so much sun radiation and Moon dust there.