

# Explained By Science

Earth's moon is the fifth largest in the solar system. It's about 238,855 miles (384,400 kilometers) away from Earth. It's the brightest and largest object in our night sky. It rotates at the same rate that it moves around Earth. Earth is also spinning. The moon orbits Earth. This movement is also why the moon has phases. Phases are moon shapes. The moon takes 29 days to make a complete orbit around Earth. Its position changes every day. Sometimes, it's between the Earth and sun. Sometimes, it's behind us. Different sections of the moon get lit up by the sun. We see the lit parts of the moon. During the full moon, we see the entire moon. During the new moon, the moon is lined up between the Earth and sun. We don't see the moon. The sun outshines the moon. The moon moves east. We see a bit more of the sunlit side of the moon each night.



Thoth also helped Isis, pictured here, heal Osiris after Set killed him.

mad at Ra. She left Egypt. She took all the water with her. This dried up the land. People couldn't grow crops. They were hungry. Meanwhile, Tefnut took lion form. She killed everything in her path. Ra sent Thoth to get her. Thoth gave a great speech. He convinced her to return. Tefnut brought back the water. This made people happy.

Don't anger the gods. Thoth was very wise. He had great powers. And he knew how to use them.