

COOL MOVES

Earth and its friends in the solar system make some fancy moves. And some of them are not even what they seem to your eyes! Because they watched the sun rise and set every day, people in ancient times thought the sun traveled across the sky or around Earth. They were wrong about this. In the last 500 years, scientists have learned a lot about the movements of Earth, moon, and other planets and bodies in space.



Describe each of these awesome moves or forces:



MOVE or FORCE	DESCRIPTION
RETROGRADE	
REAL MOTION	
APPARENT MOTION	
ROTATION	
REVOLUTION	
EARTH'S GRAVITY	
SUN'S GRAVITY	

Answer these questions about Earth's cool moves:

1. What is caused by Earth's rotation? _____
2. How long does it take for Earth to rotate once? _____
3. Who discovered that things did not revolve around Earth? _____
4. What are Earth's two **real** motions? _____ and _____
5. What is caused by Earth's revolution around the sun? _____
6. How long does it take for one revolution? _____

Name _____