








Which statements are True and which statements are False?

WELL DONE!

-  **TRUE / FALSE** **A)** Acceleration means speeding up.
-  **TRUE / FALSE** **B)** Something thrown into the air decelerates on the way up.
-  **TRUE / FALSE** **C)** To find the speed of something, we multiply time by distance.
-  **TRUE / FALSE** **D)** The sun moves across the sky.
-  **TRUE / FALSE** **E)** Vibration is a kind of motion.



How to Recognize Motion

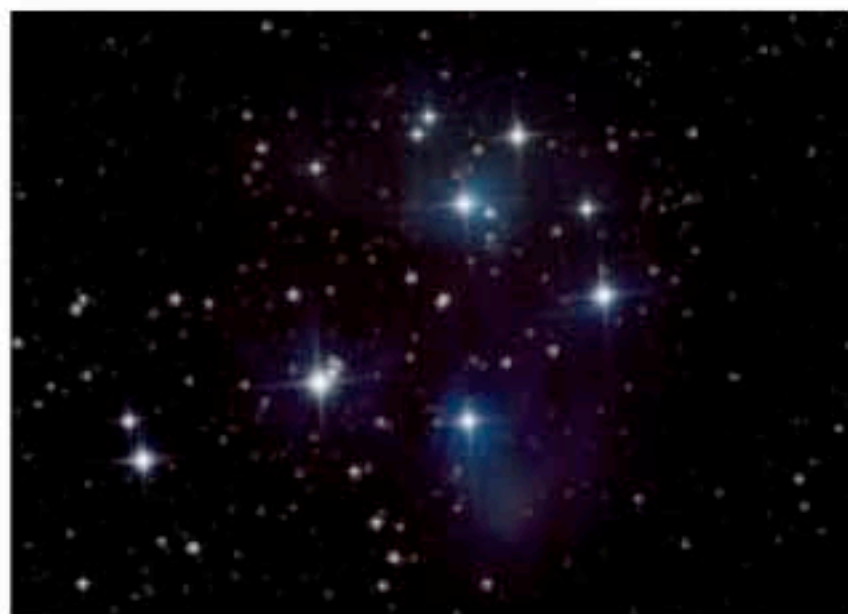
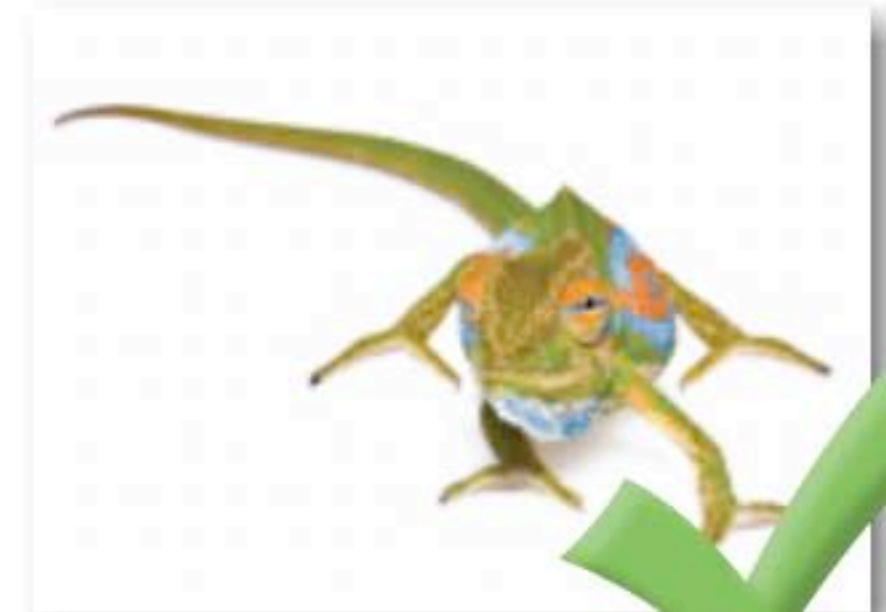
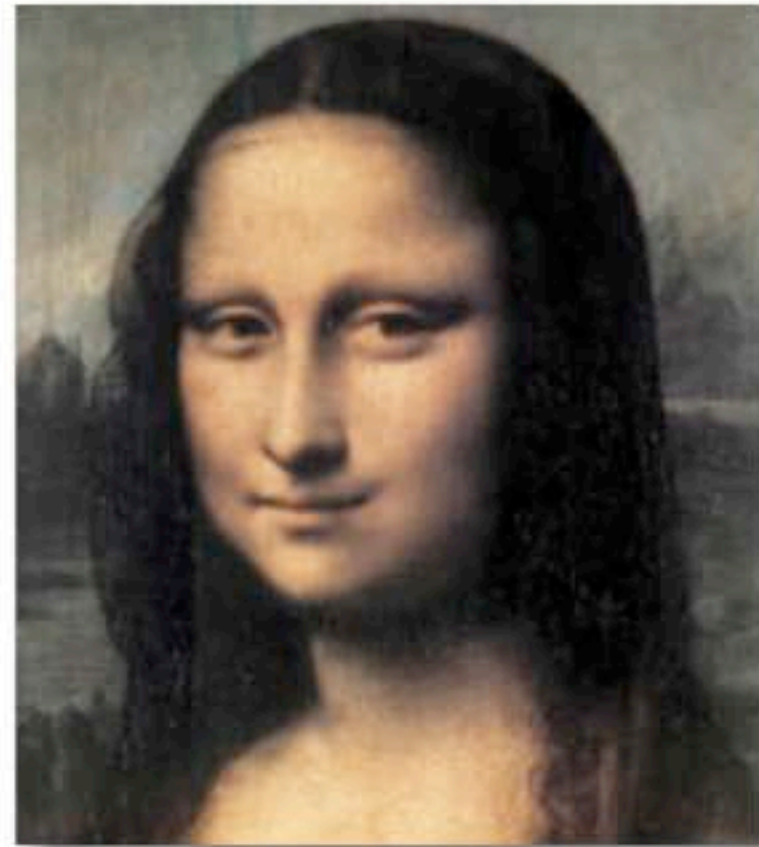
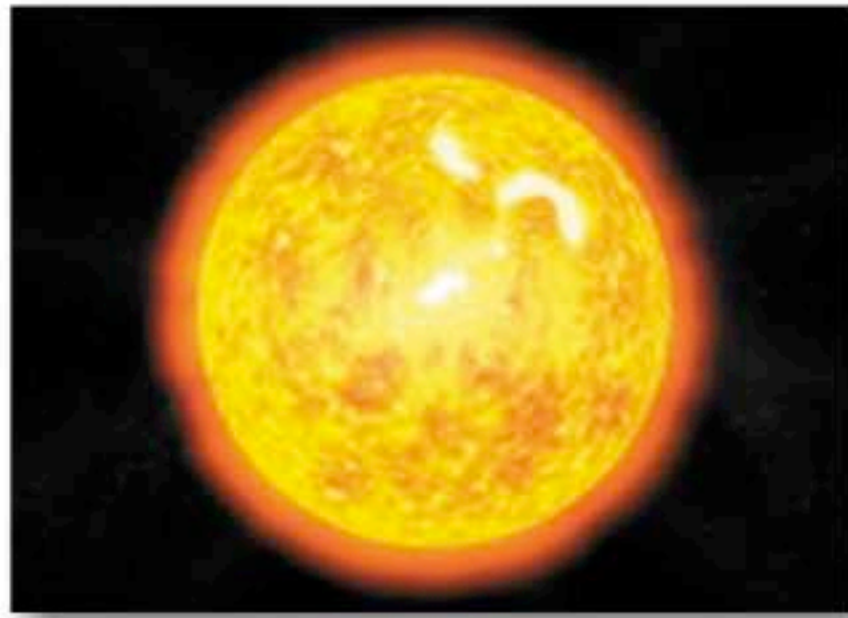
You can tell when something is moving because you can see it move. Or can you? If you are moving, you can feel you are moving. Or can you? Motion is trickier than it looks—and more interesting.

To see and **measure** motion, we must always compare the moving object to some other object or a **background**. We usually think of big things, like the Earth, as not moving. The Sun seems to move across the sky during the day. If we could step outside the solar system, we would see the sun as not moving and the Earth as **spinning**. We think the Earth is not moving because we are standing on it.



Touch the objects that have motion

WELL DONE!



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