

How do we get day and night?

To do this we will need:

Two people and a torch

Try this:

Imagine one person is the Sun - they stand still. The other person is the Earth - they stand about two arm lengths away. The Sun (person A) shines the torch on person B.

On which side of the Earth is it daytime?



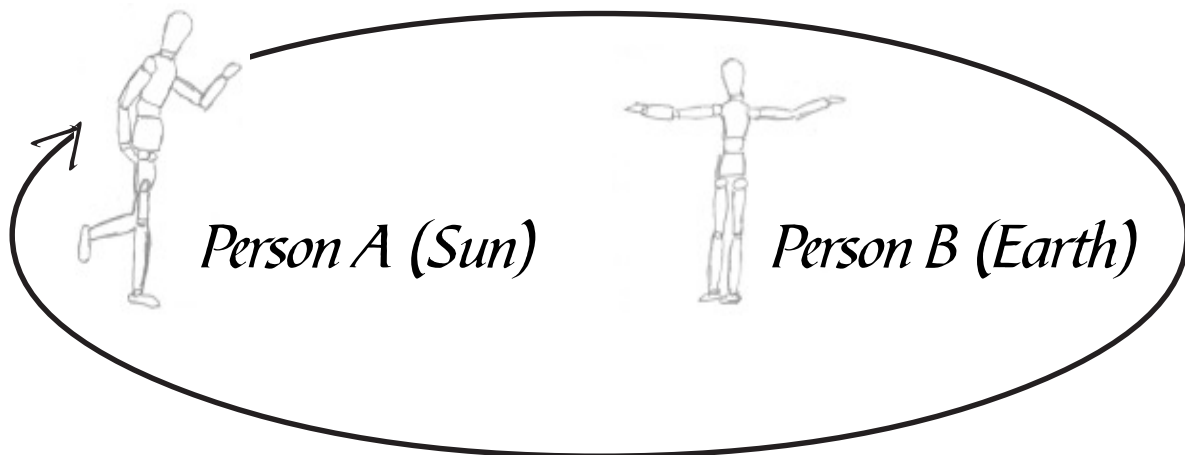
Person A (Sun)



Person B (Earth)

For day and night to happen, one or other or both must move. But how?

What if the Sun travels around the Earth? Get the person being the Sun to walk around the Earth. Would this give us day and night? Keep the torch shining on the Earth.



Could we still get day and night if the Sun was still and the Earth travelled around it?

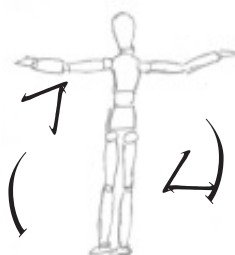
What happens if the person being the Earth spins slowly?

What happens if the person being the Earth keeps facing the same direction?

How long does it take for the Earth to spin once?



Person A (Sun)



Person B (Earth)