

*Imagine you live in the desert. You have a house in the desert and one day you decide to go for a walk in the surrounding area. You walk two or three kilometers, the exact distance doesn't matter, and you arrive at a place in the desert where there are sand dunes. You notice that, near one of these dunes, there is a permanent sign, like a hoisted flag or something permanently fixed in the ground. You go home and do not return to that area for five or six months. One day you come back and you notice that the flag is still there, in the same place where you left it - and you are sure about the GPS signal - but the dune is no longer there. And there is a new sand dune that has appeared 50 or 100 meters away. How could this happen? Why does it look like the dune has moved into the desert?*

(Barth-Cohen, 2018)

- Discuss the question in pairs
- Write down the reasoning you followed
- Time for activity: 20 minutes