

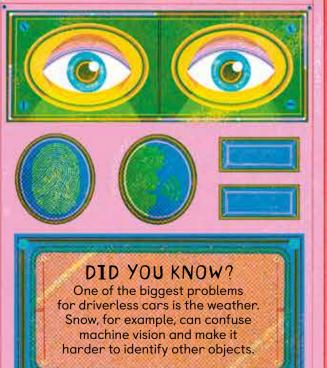






are far more advanced than humans. They can perform millions of calculations a second and can beat humans at games such as chess.

> Yet we shouldn't get too excited. So far, no machine has ever fallen in love, or appreciated a beautiful sunset. Machines don't know that they exist. In other words, they aren't conscious like humans.



Sometimes, it's their very lack of humanity that makes machines useful to us. They don't get angry, tired or lose concentration, making them ideal drivers. Driverless vehicles are linked to AI programmes that can see,

In the future, driverless cars will be connected to the road network and traffic signals, as well as each other, enabling them to decide on the best and safest routes.

hear, think and make decisions.





TIME

We are all time travellers, heading into the future at a rate of exactly one hour per hour. It doesn't feel like time travel because we're doing it together. Usually by time travel, we mean someone's personal time getting out of step with this process.

So, if we travelled faster than one hour per hour, we'd reach the future before anyone else; travelling slower than that speed would take us to the past.

PAST AND FUTURE

So, do the past and future actually exist, and are they places we could visit? We know from photos and our memories that the past exists.

As for the future, scientists disagree on whether it's fixed like the past or constantly being formed due to our actions.

If it's fluid, then what would we be visiting? Just one of many possible futures?
If it's fixed, we'd have no power to change it.

TIME TRICKERY

If you went back in time, you could prevent your mother and father from meeting, meaning that you were never born.

But if you were never born, who went back in time to prevent them from meeting? This is called a paradox

– an absurd or contradictory idea.