


# Morning Starters: Spring 1 - Clean Energy

## Word Challenge

The word 'rotator' is a palindrome – a word that reads the same backwards as it does forwards.

**Use the word 'rotator' to start a list of palindromic words.**

## Grammar Challenge

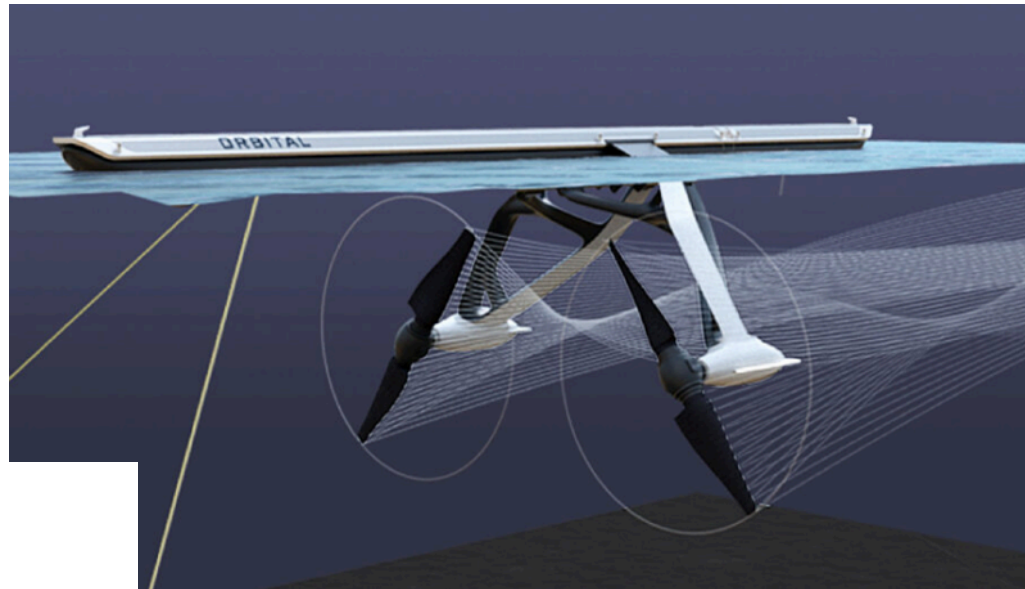
Click text to edit 

**Rewrite the sentence below, using the passive voice.**

The enormous turbine harnessed the ocean's tidal energy.

## Did You Know?

A tidal turbine is a human-made machine that is placed in the ocean to capture energy from the tide. The surge of water created during the rise and fall of tides causes the machine's blades to rotate, which in turn produces electricity. Using tidal energy reduces greenhouse gas emissions, helping to combat climate change by providing a sustainable alternative to fossil fuels.



Credit: BBC NEWS

## Number Challenge

In a factory, a tidal turbine propeller was turned on and off. During this time, its blades made 12 complete rotations.

**How many degrees did the blades rotate through?**

## Critical Thinking

Despite being a clean and renewable energy source, there aren't many tidal turbines in operation around the world.

**What might be the reasons for this?**

Monday

Tuesday

Wednesday

Thursday

Friday