

# We Wonder Quiz - KS3



## Round 1: Space

- Who was the first astronaut to step foot on the moon?
  - Neil Armstrong
  - Barney Harwood
  - Buzz Aldrin
- In 2006 which planet was downgraded to a dwarf planet?
  - Neptune
  - Pluto
  - The Moon
- You can still see footprints on the moon that were left by the astronauts who landed there.
  - True
  - False

There is no wind on the moon, so all the footprints will last forever.
- What was the name of the American NASA mathematician whose calculations were critical to the success of the first U.S. spaceflight in 1961?
  - Katherine Johnson
  - James Johnson
  - John K. Smith
- What was the name of the space flight that first landed humans on the moon?
  - Apollo 11
  - The Millennium Falcon
  - Sputnik 2
  - Apollo 13
- Which country launched Sputnik 1, the first ever satellite, into space in 1957?
  - UK
  - Soviet Union
  - USA
  - China
- What medal was Katherine Johnson awarded in 2015?
  - Royal Crown Medal for Contributions to Science
  - The Medal for outstanding Mathematical Equations
  - The Presidential Medal of Freedom for her pioneering legacy
- What is the name of Elon Musk's commercial space flight project?
  - Gen Space
  - SpaceFlight
  - SpaceX
- Many scientists across the world are working on plans to visit Mars, and maybe even live there. When are they hoping that humans will make their first trip?
  - In the next two years
  - In the next ten years
  - In the next 100 years

NASA are developing technologies that could mean humans could visit Mars as early as the 2030s.
- How long would it take humans to fly to Mars?
  - 7 days
  - 7 months
  - 7 years



Changing life stories



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## Round 2: Construction

1. The company Turner & Townsend are currently building a new airport in Abu Dhabi, the capital of the United Arab Emirates. How many hours is this building project estimated to take?  
a. 2,700  
b. 780  
c. 50 million

2. How long is the longest bridge in the world?  
a. 102.4 miles  
b. 2km  
c. 200m

The longest bridge is the Danyang–Kunshan Grand Bridge in China, part of the Beijing–Shanghai High-Speed Railway. The bridge, which opened in June 2011, spans 102.4 miles (165 kilometers).

3. Concrete can set underwater.  
a. True  
b. False
4. How long did it take to build the Eiffel Tower?  
a. 5 years, 6 months and 3 days  
b. 2 years, 2 months and 5 days  
c. 1 year, 8 months and 3 days
5. Turner & Townsend built the Shard in London, which is the tallest building in the UK. If you stacked up double decker buses, how many would you need to reach the top of the Shard?  
a. 51    b. 63    c. 94



6. The tallest land based crane has been nicknamed 'Big Carl'. How tall is it?  
a. 100m  
b. 200m  
c. 250m
7. What is the tallest building in the world?  
a. The Blackpool Tower in Blackpool, England  
b. The Burj Khalifa in Dubai, United Arab Emirates  
c. The Shanghai Tower, in Shanghai, China

With a total height of 830 meters (just over half a mile), and more than 160 stories high, the Burj Khalifa is the tallest building (and structure!) in the world.

8. How many years do you have to study at university to become a qualified architect?  
a. Three  
b. Five  
c. Seven
9. The London Underground was the world's first underground railway. When was it built?  
a. 1863  
b. 1923  
c. 1945
10. In Shibam Hadramawt city in Yemen, some of the buildings are 500 years old, and were build up to seven stories high, but still standing strong. What were they built from?  
a. Stone  
b. Concrete  
c. Mud

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## Round 3: The Environment and Sustainability

- Who started the School Strike for Climate?
  - Malala Yousafzai
  - Greta Thunberg
  - Boris Johnson
- Which uses less water, washing a full load of dishes by hand or in the dishwasher?
  - By hand
  - Dishwasher
- Hybrid cars that can use electricity to power their engines are slower and less safe than conventional cars.
  - True
  - False
- Which gas has a major role in the Greenhouse Effect?
  - Helium
  - Carbon dioxide (accounting for about two-thirds of greenhouse gases)
  - Hydrogen
- In a survey by YouGov in April 2019, which age group most supported climate activist group Extinction Rebellion?
  - 18-24
  - 25-29
  - 50-65
  - 65+
- What is the main cause of climate change?
  - Natural changes in the Earth's temperature
  - The Sun
  - Human activity
- Which two of the below are renewable sources of energy?
  - Solar power
  - Fossil fuels
  - Biomass energy
  - Nuclear energy
- Roughly, what percentage of the UK's electricity is produced from renewable sources?
  - 5%
  - 37%
  - 53%
  - 78%

In 2019 it went up to 37%, from 33% in 2018.
- How long does polystyrene (like a coffee cup or burger carton) take to biodegrade?
  - 10 years
  - 250 years
  - 500 years
- What can you do to help prevent climate change?
  - Write to your MP
  - Eat less meat
  - Ask businesses you buy from to use less plastic packaging
  - Cycle or walk to school

All of the above! There are lots of things that we as individuals can do to cut down our carbon footprint, but it's really important that big businesses and governments are held to account and do their bit- that is what will make the biggest difference.



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