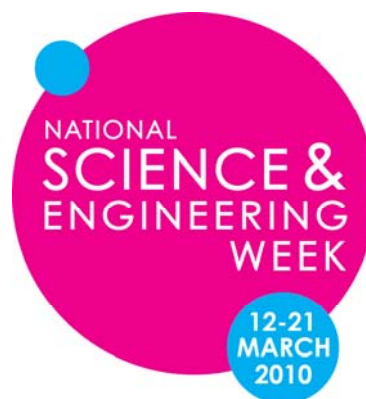


The National Science and Engineering Week Quiz 2010 – Questions only



SECTION A – Level 1

Round 1: Earth

Round 2: Endangered Species/Nature

Round 3: Engineering

Round 4: Chemistry

Round 5: Biology

Round 6: Physics/Space

SECTION B – Level 2

Round 1: Earth

Round 2: Endangered Species/Nature

Round 3: Engineering

Round 4: Chemistry

Round 5: Biology

Round 6: Physics/Space

For more information and resources visit: www.nsew.org.uk or call the National Science and Engineering Week team on: 020 7019 4937/63



SECTION A - Level 1



Round 1: Earth

- 1) Where on the Earth are the length of days and nights equal?
- 2) What is the centre of the Earth called?
- 3) What is the highest mountain on Earth called?
- 4) Where is the coldest place on Earth?
- 5) Approximately how many people live on the Earth?

Round 2: Endangered Species/Nature

- 1) What is the largest animal in the world?
- 2) Why do African elephants have big ears?
- 3) How many years of its life do Stag Beetles spend as larvae?
- 4) Where does the Corncrake spend the winter?
- 5) Which of the following is NOT a species of Tiger: Bengal Tiger, Siberian Tiger, African Tiger, Malayan Tiger?

Round 3: Engineering

- 1) Where are the fuel tanks stored in an airplane?
- 2) What shapes make up the structure of a Bee Hive?
- 3) How high is the Empire State building (not including its lightning rod)?
- 4) Who invented the internet?
- 5) If you are facing east and you turn clockwise 90 degrees which direction will you be facing?

Round 4: Chemistry

- 1) N is the chemical symbol for which element?
- 2) Which of the following is generally NOT a property of a metal: shiny, transparent, a conductor, magnetic?
- 3) What is the chemical symbol for water?
- 4) Which of the following is an example of an igneous rock: gypsum, marble, granite, chalk?
- 5) What is the centre of an atom called?

Round 5: Biology

- 1) What do you call an animal that hunts and eats other animals?
- 2) What is the longest bone in the human body?
- 3) Which of these animals are you NOT likely to find in a UK park or garden: a stag beetle, a bumble bee, a koala, a fox?
- 4) Which of these is most likely to live in a UK woodland: a crab, an owl, a frog, a zebra?
- 5) What is the main job of a flower's petals?

Round 6: Physics/Space

- 1) How long does it take for the moon to travel once around the Earth?
- 2) Earth is located in which galaxy?
- 3) How many planets from the Sun is the Earth?
- 4) What shape are the Earth, Sun and Moon?
- 5) Which of these animals has never been to space: a monkey, a dog, a guinea pig, a horse?

SECTION B – Level 2



Round 1: Earth

- 1) Which of the following does NOT naturally make up part of the Earth's atmosphere: krypton, methane, nitrogen, chlorine?
- 2) How much of the Earth's surface is covered in water?
- 3) Which is the largest ocean in the world covering about 1/3 of the Earth's surface?
- 4) How old is the Earth?
- 5) Most of the Earth's fresh water is found in what form?

Round 2: Endangered Species/Nature

- 1) Which animal has its taste receptors in its feet and tastes food by standing on top of it?
- 2) Why do Polar bears not eat Penguins?
- 3) Which of these animals is now extinct: the panda, the passenger pigeon, the greater horseshoe bat, the Chinese giant salamander?
- 4) What is the only remaining small mammal in the UK to have a completely furry tail?
- 5) What percentage of the world's Common Bluebell population is the UK thought to host?

Round 3: Engineering

- 1) In what year was the first video game called "Tennis for Two" created?
- 2) What type of bridge is the Golden Gate Bridge in San Francisco?
- 3) The tallest Dam in the world is the Nurek Dam in Tajikistan, how tall is it?
- 4) Which of the following has not been used to power a car: light, steam, electricity, nuclear energy?
- 5) In what year was the first supersonic land-speed record by Thrust SSC in the Black Rock Desert USA?

Round 4: Chemistry

- 1) Au is the chemical symbol for which element?
- 2) Which of the following is not a noble gas: chlorine, neon, argon, krypton?
- 3) What is the most abundant metal in the Earth's crust?
- 4) What are the horizontal rows on the periodic table called?
- 5) What colour does blue litmus paper turn when dipped in an alkaline solution?

Round 5: Biology

- 1) Which of the following is NOT found in an animal cell but is found in a plant cell: cell membrane, cytoplasm, vacuole, nucleus?
- 2) Which part of a food chain is affected by one animal becoming extinct?
- 3) Which of the following is an example of discontinuous variation: weight, height, eye colour, foot length?
- 4) Ducklings will sometimes treat a person as their mother. What is this an example of?
- 5) Where in the body is most food digested?

Round 6: Physics/Space

- 1) How many planets from the Sun is Uranus?
- 2) How many people have walked on the Moon?
- 3) Which of these are magnetic poles: East and West, North and South, Red and Blue, Up and Down?
- 4) What is thermal energy measured in?
- 5) Batteries store what type of energy?