

Jack Kilby Science and Technology Quiz 2007 Archive

Venue: Kamani Auditorium, New Delhi

Date: 31st October 2007

Note: This is a combined archive of the preliminary and final round questions of the Delhi Regionals of the Jack Kilby Science and Technology Quiz 2007. The archive is incomplete, but should at least give you an idea about the quiz.

Prelims

1. This is a Google logo dedicated to whom?



Leonardo da Vinci

2. Identify this person who was in the news.



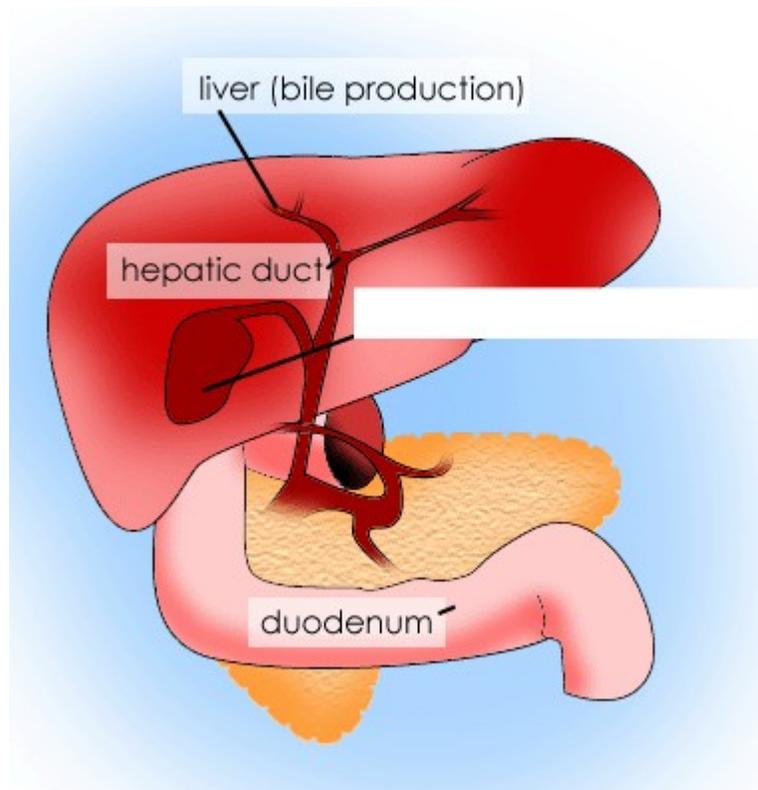
Rajendra K Pachauri. He is the Chairman of the IPCC (Intergovernmental Panel on Climate Change), the organization which recently won the Nobel Peace Prize along with Al Gore.

3. Name this device.



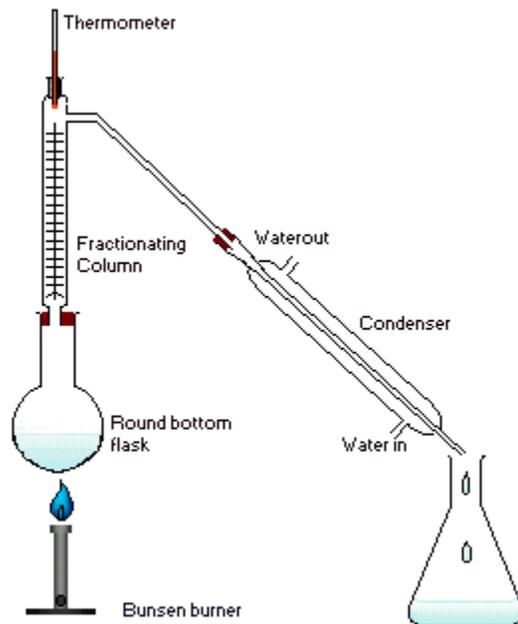
Snorkel

4. Which organ is not labelled here?



Gall bladder

5. Identify this laboratory apparatus, named after a scientist.



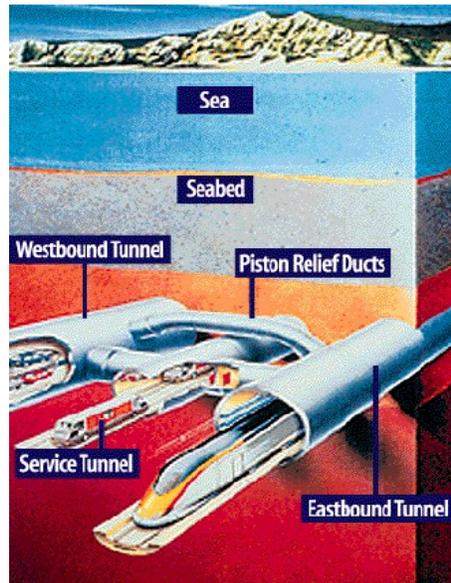
Liebig Condenser

6. Name this tree, closely associated with an Indian state.



Chinar

7. This structure is under which sea?



The English Channel. The structure is the Channel Tunnel – an undersea rail tunnel between France and England.

8. These two people, Chang and Eng Bunker, are the basis for a famous term used even today. Which term?



Siamese Twins

9. Which single word connects a CFL, a VCD and a small, typically round powder case, usually containing two or all of the following: 'a mirror, pressed powder, and a powder puff'?

Compact

10. Dr Norman Borlaug is called as the 'father' of which revolution?



Green Revolution

11. Identify this animal; also a word in English which means 'to pester'.



Badger

12. This instrument, now synonymous with the medical profession around the world takes its name from the Greek words for 'chest' and 'see'. Name it.

Stethoscope

13. This is a mnemonic to remember what – "How I like a drink, alcoholic of course, after the heavy lectures involving quantum mechanics."

The value of Pi

14. The scientific name of this bird is *Struthio camelus*, derived from the Greek words for 'camel sparrow'. Name the bird.

Ostrich

15. Which geological age / period is named after the place shown here.



Jurassic Period; named after the Juras mountain range.

Finals

1. Taken from inside an aircraft, what is this digital data recorder popularly called?



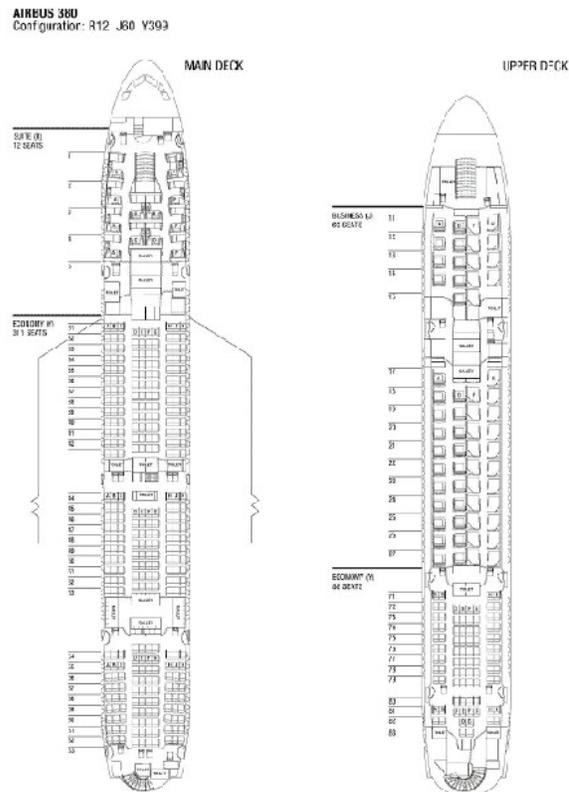
Black Box

2. Identify this animal.



Komodo Dragon

3. Look carefully – this is the seat layout of which aircraft?



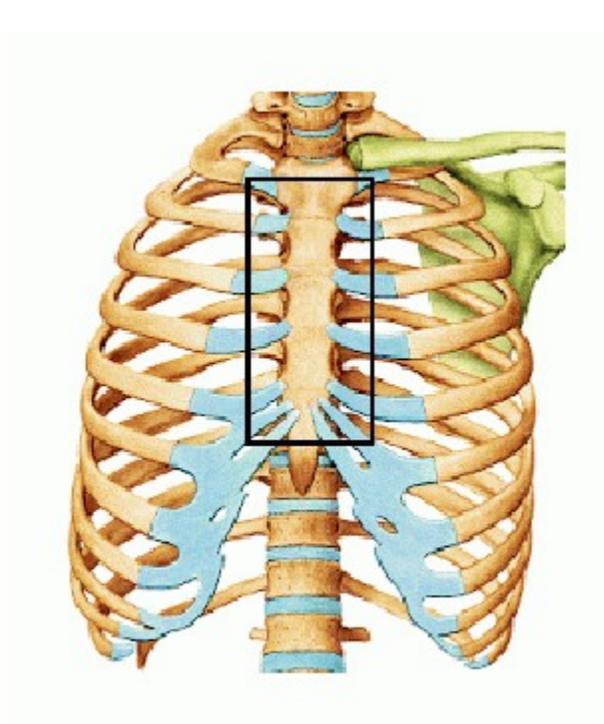
Airbus A380

4. Identify this fruit.



Passion Fruit

5. Identify the bone.



The sternum (chest bone)

6. The Meteorological Satellite built by ISRO was originally called METSAT. In 2003, its name was changed to honour somebody. What was the new name?

Kalpana (named after Kalpana Chawla)

7. Things that you associate with this person – bacteria, free-living parasites, protists, sperm cells, blood cells, nematodes and rotifers. Who is he and what did he do?

Anton van Leeuwenhoek; he was a biologist who made major discoveries about cells of living organisms.

8. Connect:

- The Greek word for 'order'
- Pythagoras used this word to describe the Universe
- Television serial
- Football club

Cosmos

9. This is an aerial view of what?



CERN (the organization which oversees the Large Hadron Collider project)

10. Why does our hair turn grey?
Melanin pigments reduce secretion
11. Called the 'Red Ring of Death', it is seen when a fatal hardware failure occurs in this device. Which device?
XBOX 360
12. When you touch a live wire, you can get thrown a few feet away. Why does this happen?
Due to spasm of the muscles (the muscles contract rapidly); this uncontrollable twitching of muscles throws you away.

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