

Introduction

Teams of pupils answer four rounds of general knowledge quiz questions. Each correct question answered wins a particular sum of 'money'. This is intended to be a fairly mixed set of general knowledge questions. Some more difficult questions are required so that the 'money' won gets taken away at regular intervals. There are 61 questions in the set. This should be enough for a game.

Running the activity

Choose 5 pairs or trios of pupils. This is to involve more people and to ensure the game does not drag on too long. Five teams will need four rounds to produce a winner. You will also need three officials: a banker, an assistant and a quizmaster (the teacher or a pupil). This is based on a well-known TV quiz, so pupils may know the rules well.

- The quizmaster chooses questions in turn from the three sections, humans, animals and miscellaneous.
- The banker declares the amount of money on offer, starting with £50 and increasing at £50 increments. Before they are asked a question a team may elect to bank the money they have accumulated so far in that round. After money is banked the value of the next question drops back to £50 again. The amount of money increases as more questions are asked. If a question is answered incorrectly the money built up and not banked is lost.
- Tokens can be used as money.
- The banker keeps a record of how much money has been banked.
- The assistant keeps a tally chart of who has the most correct and wrong answers. There is a table for this at the end of the file.
- The timekeeper times ten seconds per answer and two and a half minutes per round, including question-asking time.
- A team has 10 seconds (a long time) to answer.
- They vote out the weakest link in each of the first three rounds.

In the final round: The remaining two teams are asked five questions each, and the highest score wins. Use a 'first-to-answer' question in the event of a tie. The winners get a small prize.

Safety

Not applicable.

More ideas

There will be more sets of questions in all of the *Fun-Size* sections of CDROMs produced by ASE for Science Year.

Learning outcomes

- Sc2 knowledge, particularly human and animal biology.

Where the activity fits in

Anywhere. It is intended to provide interesting facts to generate further questions and discussion from pupils.

Skills

Vocabulary, recall, knowledge and understanding, team-work.

Humans

1. Where are your biceps muscles – in your arms, legs or chest?
Arms
2. Is the large intestine shorter or longer than the small intestine?
Shorter
3. Where are the smallest bones in the body?
In the ear
4. Where in the body is the tibia?
In the lower leg
5. How many teeth are there in an adult human mouth – 28, 30 or 32?
32
6. How much does the human brain weigh – 1.2kg, 1.5kg or 1.7kg?
1.5 kg
7. Dentures were once made from teeth taken from dead bodies – true or false?
True (They were popular after the Battle of Waterloo.)
8. Where in the body are the pectoral muscles – the jaw, the chest or the upper arms?
The chest
9. How much air can an adult's lungs hold – 2 litres, 3 litres or 5 litres?
3 litres
10. How long has a human been known to survive without food or water?
4, 11 or 18 days?
18 days is the record
11. If all your blood vessels were laid out end to end, how far would they stretch – once, 3 or 5 times around the world?
5 times around the world
12. Name the four main human blood groups
Groups A, B, O and AB

13. A human being living 70 years has about 500, 2,500 or 5,000 million heartbeats?
About 2,500 million
14. Where in the body is the femur – the thigh, the calf or the upper arm?
The thigh
15. The area of an adult's skin is about 2 m². What is the area of their lungs – 5, 25 or 70 m²?
About 70 m²
16. What does an omnivore eat?
Plants and animals
17. Which is the most common blood group – O, A, B or AB?
Group O
18. Who has the heaviest brain – a man or a woman?
A woman

Animals

19. How long is the world's largest Giant Squid – 5, 12 or 20 metres?
20 metres
20. One species of insect has survived volcanoes, hurricanes, floods, dinosaurs etc. Which is it?
The cockroach
21. The most destructive insect in the world can eat its own weight in food each day. What is it?
The locust
22. Which bird sheds half its weight every day in droppings – the blue tit, the starling or the crow?
The starling
23. Echolocation helps bats to do what?
Avoid obstacles and find prey
24. A species of crab makes any shell it can find its home. What is it called?
The hermit crab

25. Which bird lays the largest eggs?

The ostrich (15-20 cm long)

26. Can birds move their eyes inside the sockets?

No

27. Which mammal has the highest blood pressure?

The giraffe

28. How fast can a cheetah run - 65 km/h, 90 km/h or 112 km/h?

112 km/h

29. What is the largest animal that has ever existed?

The blue whale

30. Are birds warm-blooded or cold-blooded?

Warm blooded

31. Is a dolphin a fish, reptile or mammal?

A mammal

32. What is unusual about the chameleon?

It can change its colour to match its surroundings

33. There is only one group of mammals that can fly – which is it?

Bats

34. Which living creature makes the loudest noise?

The humpback whale (whose 'call' reaches 190 decibels)

35. Do polar bears live at the North or South Pole?

At the North Pole

36. There is a bird that flies for up to four years without landing – true or false?

True (the Sooty Tern, which feeds and sleeps on the wing)

37. How many feathers are there on an average sized robin – 400, 1,000 or 3,000?

3,000

38. How many stomachs does a cow have – 1, 3 or 4?

4

Miscellaneous

39. If you are sitting quietly, how many times does your heart beat a minute – 30, 70 or 120?

70 on average

40. On average, who has the greatest number of hairs on their head – blond, brown or red heads?

Blond (150,000 hairs, brown has 100,000, red has 60,000)

41. What is the main difference between insects and spiders?

The number of legs (spiders have eight, insects six)

42. Which is the world's tallest tree?

The Californian Redwood (it is 63 times taller than the average man)

43. Which tropical grass provides the staple diet of half the world's population?

Rice

44. Which of these foods is rich in protein – pasta, cheese or spinach?

Cheese

45. Do bananas grow on trees, shrubs or bushes?

Trees

46. Is sorghum a type of cereal, a large shrub or a species of tropical fish?

A type of cereal

47. Only one bird can fly backwards. Is it a hummingbird, a woodpecker or a bird of paradise?

A humming bird

48. Where did bananas originate from – South America, South East Asia or the Middle East?

South East Asia

49. What is the white of an egg called?

Albumen

50. How many tonnes of krill do blue whales eat in a day?

6 tonnes

51. Where does the kiwi fruit originate from?

China

52. Snakes have no external ears, but do they have eardrums?

No

53. How many petals are there on a buttercup - 4, 5 or 6?

5

54. Humans can breathe and swallow at the same time – true or false?

True (but only up to an age of 6 months)

55. How far does your hair grow in a month – 0.5 mm, 2mm or 5mm?

2mm

56. What life form neither breathes, eats nor moves?

A virus

58. Which kills most people – bee stings or snake bites?

Bee stings

59. Do snails have teeth?

Yes

60. What section of your body is your stomach in?

The abdomen

61. How many bones are there in an adult human's skeleton – 86, 106 or 206?

206

Link Record Card

| | Team 1 Names | Team 2 Names | Team 3 Names | Team 4 Names | Team 5 Names |
|--------------------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Round 1 Right answers Wrong answers Banked | | | | | |
| Round 2 Right answers Wrong answers Banked | | | | | |
| Round 3 Right answers Wrong answers Banked | | | | | |
| Final Round 1 2 3 4 5 | | | | | |