FSCE 11+ Science Practice Worksheet

Parent Guidance This worksheet combines scientific understanding with the reading and mathematical reasoning skills that are useful for cross-curricular entrance assessments. Encourage your child to explain why they chose each answer, particularly when interpreting data or evaluating an experiment.

For more 11+ preparation support, visit https://www.successindex.co.uk

Suggested time: 15 minutes

Name: _____ Date: _____

Instructions: Read each question carefully and choose the best answer: A, B, C or D. Some questions test your science knowledge, while others require reading comprehension, mathematical reasoning and interpreting data.

1. A plant is placed in a dark cupboard for two weeks. It receives water but no sunlight. What is most likely to happen?

A. It will grow faster than normal.

B. Its growth will become weak because it cannot photosynthesise effectively.

C. It will produce more flowers.

D. It will no longer need water.

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2. A pupil measures the temperature outside at four different times. Which statement is correct?

Time	Temperature
9 am	9°C
12 noon	14°C
3 pm	16°C
6 pm	11°C

A. The temperature increased by 7°C between 9 am and 3 pm.

B. The temperature was highest at 12 noon.

C. The temperature decreased throughout the day.

D. The temperature at 6 pm was 5°C lower than at 9 am.

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3. Which of the following materials would be the best electrical conductor?

A. Rubber

B. Plastic

C. Copper

D. Wood

4. A food chain is shown below. If the number of frogs decreases significantly, what might happen first?

Grass → Grasshopper → Frog → Heron

A. The number of grasshoppers may increase.

B. The number of grasshoppers will immediately disappear.

C. The grass will stop growing.

D. The Sun will provide less energy.

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5. A child pushes a toy car across a smooth floor and then across a thick carpet using the same force. Why does the car travel a shorter distance on the carpet?

A. Gravity stops working on the carpet.

B. The carpet creates more friction.

C. The car becomes heavier.

D. The carpet removes the force of the push.

6. A container holds 500 ml of water. After being left outside on a warm day, only 425 ml remains. How much water has evaporated?

A. 25 ml

B. 50 ml

C. 75 ml

D. 125 ml

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7. Which statement best explains why we see lightning before we hear thunder?

A. Thunder happens several minutes after lightning.

B. Light travels faster than sound.

C. Sound cannot travel through clouds.

D. Lightning only happens close to the ground.

8. A scientist wants to find out whether temperature affects how quickly sugar dissolves in water. Which experiment would be the fairest test?

A. Use different amounts of sugar and different temperatures.

B. Use the same amount of sugar and water, changing only the water temperature.

C. Use different containers and different amounts of water.

D. Stir one glass but not the other, using different temperatures.

9. A pupil observes that a shadow becomes shorter as the Sun rises higher in the sky. Which explanation is most accurate?

A. The object becomes smaller during the day.

B. The Sun moves closer to Earth.

C. The angle of sunlight changes.

D. The Earth's gravity becomes weaker.

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10. Four identical plants receive different amounts of water each day. Which plant grew the most, and what can you conclude?

Plant	Water per day	Growth
A	50 ml	4 cm
B	100 ml	8 cm
C	150 ml	6 cm
D	200 ml	3 cm

A. Plant A; more water always produces more growth.

B. Plant B; 100 ml produced the greatest growth in this experiment.

C. Plant C; 150 ml produced the greatest growth.

D. Plant D; plants do not need water to grow.

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