

IEA - Data Enhancement Project

Questionnaire printing

Study: SC2

Population: 1

Instrument: STA\_1

Student Science Achievement Test (1A)

Population 1

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1 What gas in the air is essential for us to breathe in order to live?

- A nitrogen
- B oxygen
- C carbon dioxide
- D hydrogen
- E water vapour

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P1A01  
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2 A certain wild bird has webbed feet. In which of the following places would you be most likely to find it?

- A a forest
- B a meadow
- C a cornfield
- D a desert
- E a lake

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P1A02  
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3 A rabbit was injured and could not walk properly. A few months later she had baby rabbits. How many babies would probably not be able to walk properly?

- A none
- B one
- C a few
- D most
- E all

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P1A03  
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4 A butterfly sitting on a leaf laid some small eggs. The pictures show changes that took place to the eggs.

[ 4 pictures showing eggs, pupa, caterpillar and butterfly ]

Wich one of the following lists shows the order of the changes that took place?

- A 1, 2, 3, 4
- B 1, 3, 2, 4
- C 1, 4, 3, 2
- D 1, 4, 2, 3
- E 1, 2, 4, 3

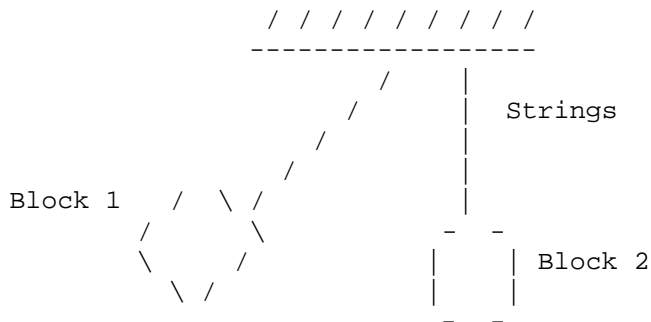
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P1A04  
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5 Which of the following does \*not\* dissolve in water?

- A sand
- B salt
- C soap
- D sugar
- E air

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P1A05  
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6 Two similar blocks are hanging by strings from a beam.



When Block 1 swings down and hits Block 2, which of the following will probably happen?

- A Block 2 will not move at all.
- B Block 2 will swing off to the left.
- C Block 2 will swing off to the right.
- D The string holding Block 2 will break.
- E Block 2 will bounce up towards the beam.

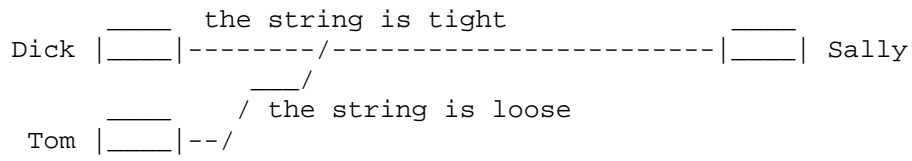
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P1A06  
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7 A boy threw his rubber ball into the air. Why did it come back to the ground?

- A The air pushed it back.
- B The Earth is a large magnet.
- C The air is very light.
- D The Earth pulled it back.
- E Rubber always bounces back.

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P1A07  
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8 The picture shows Dick and his friends playing with a string-telephone. Sally is speaking. Dick and Tom are trying to listen. Which of them can hear her speak?



- A Both of them can hear equally clearly.
- B Neither of them can hear.
- C Tom alone can hear clearly.
- D Dick alone can hear clearly.
- E Both of them hear equally faintly.

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P1A08  
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