

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR SCIENCE, GRADE 7 - FORM B

(Test items developed for skills measured in Stanford9)*

Skills

- | | |
|--|---------------------------------|
| 1.0 Earth and Space Science | 6.0 Using Information |
| 1.1 Understanding Structure of the Earth | 6.1 Earth and Space Science |
| 2.0 Physical Science | 6.2 Physical Science |
| 2.1 Understanding Properties and Changes | 6.3 Life Science |
| 3.0 Life Science | 6.4 Using Evidence and Models |
| 3.1 Understanding Structure and Function | 6.5 Analyze Patterns |
| 4.0 Related Processes | 6.6 Comparing Form and Function |
| 4.1 Using Evidence and Models | |
| 4.2 Analyze Patterns | |
| 4.3 Comparing Form and Function | |
| 5.0 Thinking Skills | |
| 5.1 Understanding Structure of the Earth | |
| 5.2 Understanding Properties and Changes | |
| 5.3 Understanding Structure and Function | |
| 5.4 Using Evidence and Models | |
| 5.5 Analyze Patterns | |
| 5.6 Comparing Form and Function | |

Number of questions: 40

Number of pages: 14

Approximate testing time: 25 minutes

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Stanford9 PRACTICE TEST IN SCIENCE - GRADE 7 - FORM B

1. Which of the diagrams below shows the moon in the crescent phase?



<i>Energy</i>	<i>Number of Calories</i>
Lost to friction	2,200
Lost in the exhaust	2,300
Lost in the cooling system	3,000
Useful work done by engine	<u>2,500</u>
Total	10,000

2. According to the table above, how many calories do not go into useful work?

- A. 5500 B. 2500 C. 7500 D. 5000

SALTS IN SEAWATER	
Salt	Grams per liter
Sodium Chloride	27.213
Magnesium Chloride	3.807
Magnesium Sulfate	1.658
Calcium Sulfate	1.260
Potassium Sulfate	0.863
Calcium Carbonate	0.123
Magnesium Bromide	0.076
Total	35.000

3. According to this graph, what is the second most common salt found in seawater?

- A. sodium chloride C. potassium sulfate
 B. magnesium chloride D. magnesium bromide