

**SKILLS LIST and SAMPLE TEST ITEMS**

**FOR**

**PRACTICE TEST FOR SCIENCE, GRADE 6 – FORM B**

*(Test items developed for skills measured in Stanford9\*)*

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**Skills**

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

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Number of questions: 40

Number of pages: 14

Approximate testing time: 25 minutes

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(OVER)

Stanford9 SCIENCE PRACTICE TEST - GRADE 6 - FORM B

Substance	Miles Per Second
Iron	5,000
Copper	3,500
Water	1,300
Air	250

1. Through which substance would sound travel faster?

- A. water                      B. air                      C. copper                      D. iron
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2. How do jet streams affect weather?

- A. They steer the movement of weather systems.  
 B. They make the winds blow in the same direction.  
 C. They cause more rain storms.  
 D. They cause more temperature changes.
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Frequencies in Hertz of Sounds Heard and Made				
	Sounds Made		Sounds Heard	
	<i>Low</i>	<i>High</i>	<i>Low</i>	<i>High</i>
Human	85	1,110	20	20,000
Cat	760	1,500	60	65,000
Bat	10,000	120,000	1,000	120,000
Porpoise	7,000	120,000	150	150,000
Dog	452	1,800	15	50,000
Frog	50	8,000	50	10,000

3. Which animal has the greatest range in frequency of sounds produced?

- A. porpoise                      B. bat                      C. frog                      D. cat
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