### Performance Test Score

<table>
<thead>
<tr>
<th>Part</th>
<th>Maximum Score</th>
<th>Student's Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>B–1</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>B–2</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

**Total Written Test Score**

(Maximum Raw Score: 85)  
Final Score  
(from conversion chart)

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**Raters' Initials:**

Rater 1 . . . . . . . . . . Rater 2 . . . . . . . . . . . . . . . . . . . . . . .

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### Part B–2

51 Air pressure: ____________ mb

Air temperature: ________ °F

Amount of precipitation during last six hours: ________ inch(es)

Cloud cover: ________ %

Present weather: __________________________

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[1] [OVER]
For Raters Only

Sun's rays

North Pole

Equator

South Pole

Sun and Moon

Earth

(Not drawn to scale)
56 Brightest:  
(a) 
(b) 
(c) 
(d) 
Least bright:  
(e) 

57 Vesicular basalt with zircon crystals with 98.44% U\textsuperscript{235} and 1.56% Pb\textsuperscript{207}

Key

- Vesicular basalt
- Sandstone
- Shale
- Contact metamorphism
- Fagopsis tree leaf fossil
- Sequoia tree trunk fossil

58 ________________ meter(s)

59 ____ The fault was formed.

____ The shale was deposited.

____ The vesicular basalt was formed.

____ The sandstone was deposited.

60 ________________ million years

61 ________________ half-lives
Diagram 2 — 11:00 p.m.

Hercules appears to have moved: ________________________________

Perseus appears to have moved: ________________________________
Part C

65 Material: ________________________________________________

Processes: ___________________________ and ___________________________

66

Inferred Changes in Earth’s Average Temperature

Earth’s Average Temperature

Warmer

Cooler

Millions of Years Ago

500 400 300 200 100 0

Warmer

Cooler

67 Factor A:

Effect on Earth’s temperature: ________________________________

Why temperature changes: ________________________________

______________________________

Factor B:

Effect on Earth’s temperature: ________________________________

Why temperature changes: ________________________________

______________________________

For Raters Only

65

66

67
For Raters Only

Scale

0 500 kilometers

70

71
Total Score for Part C

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78
79
80
81

Prevailing wind

Ground surface