**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Advanced General Science**

**Secondary IV**

**Exam Review Package**

**December 20th 2017**

**10:55 a.m.—2:25 p.m.**

**Topics**

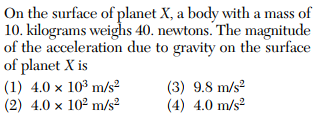
* **Ecotoxicology**
* **Forces**
* **Energy**
* **Electricity**

**Bring to the Exam:**

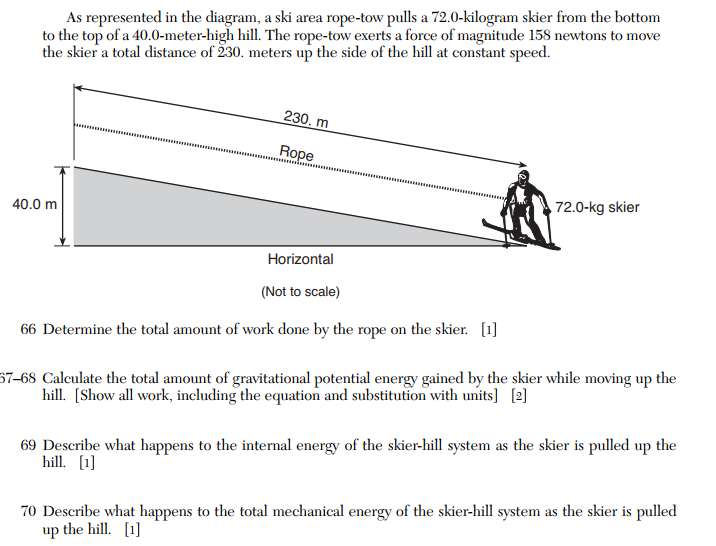
* **Multiple pencils**
* **Eraser**
* **Calculator or 2**
* **Ruler**
* **Kleenex**
* **Cough drops**
* **Water bottle**

**Review Advanced General Science December 2017**

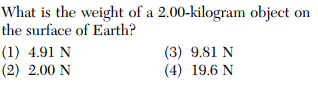
**1)**



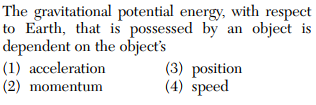
**2)**



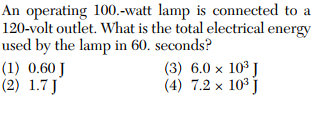
**3)**



**4)**



**5)**



**6)**



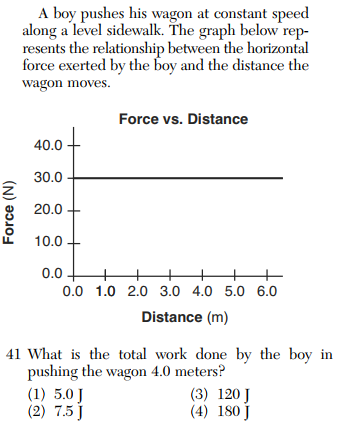
1) increases

2) decreases

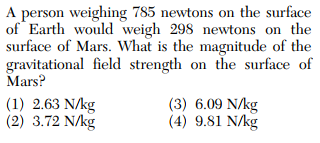
3) stays the same

4) inverts

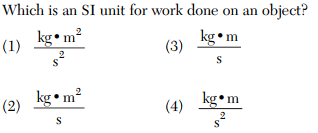
**7)**



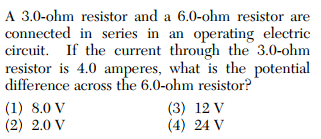
**8)**



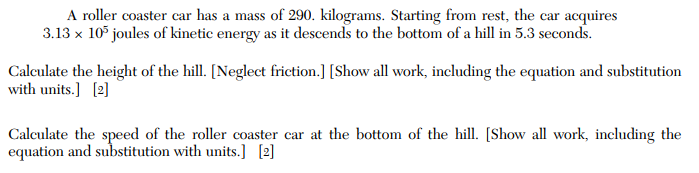
**9)**



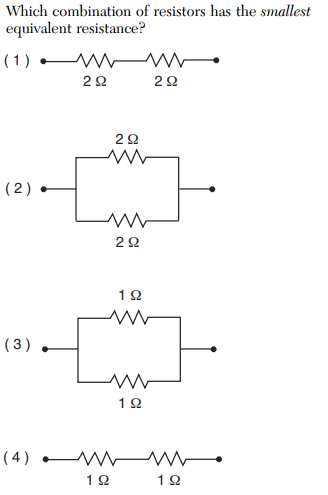
**10)**



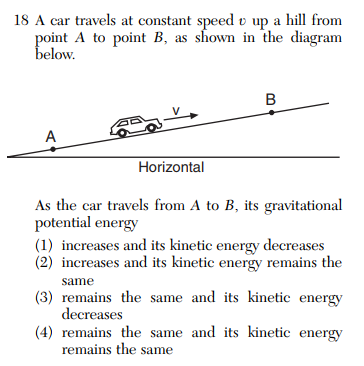
**11)**



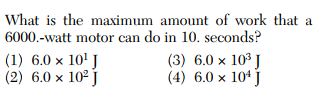
**12)**



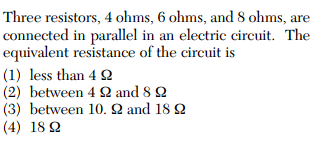
**13)**



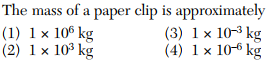
**14)**



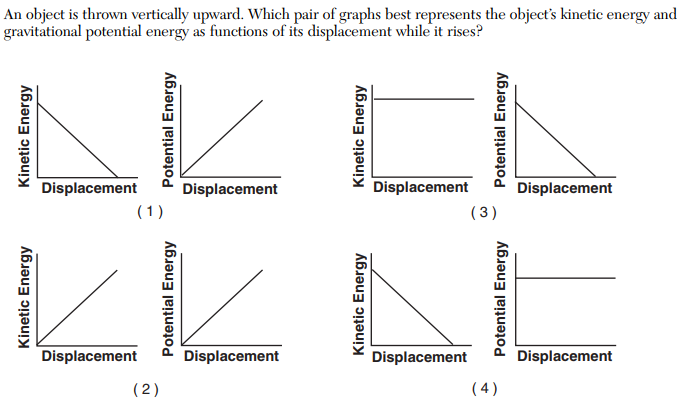
**15)**



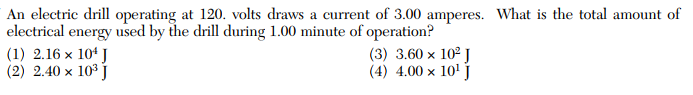
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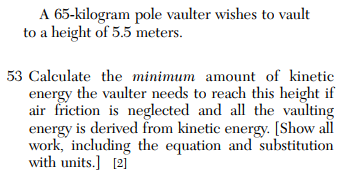
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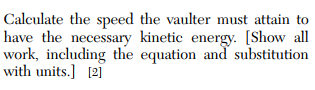


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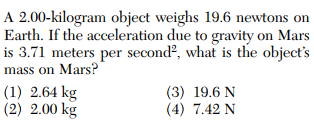


**19)**

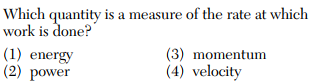




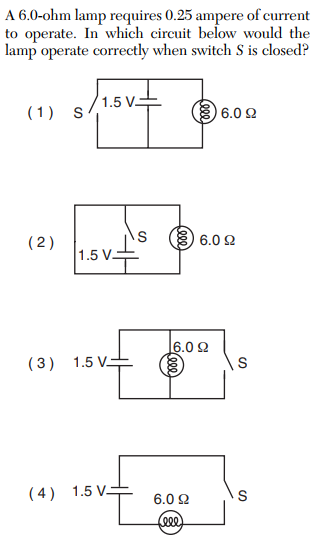
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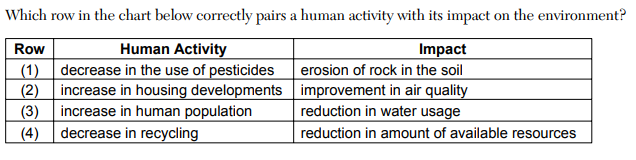
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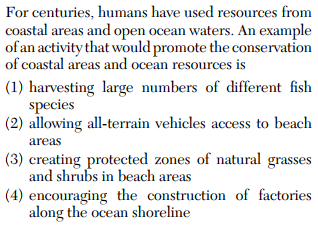
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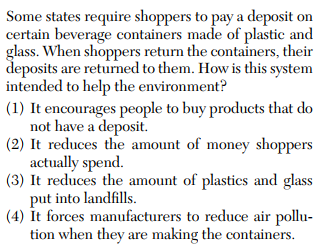
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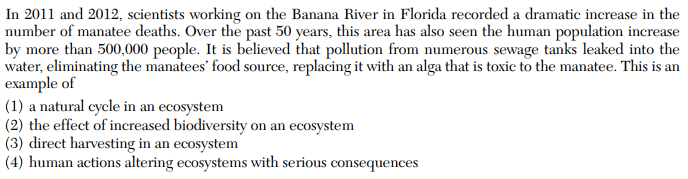
**24)**



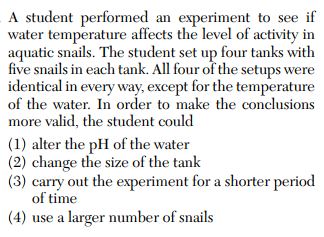
**25)**



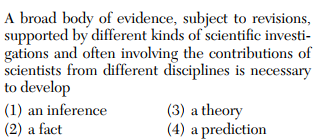
**26)**



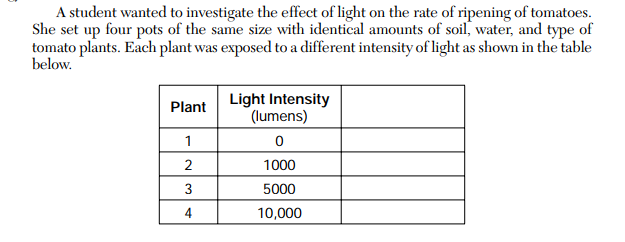
**27)**

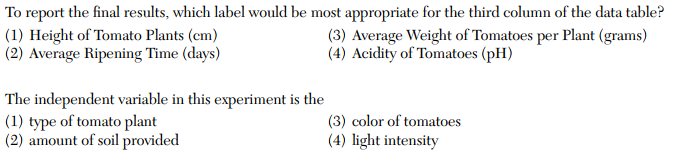


**28)**

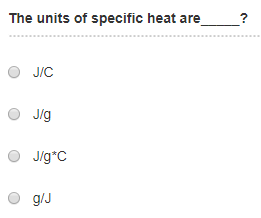


**29)**

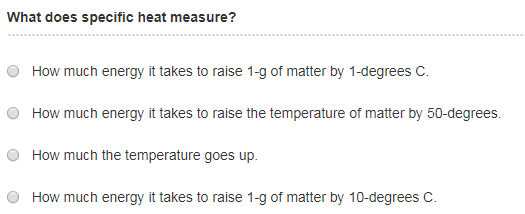




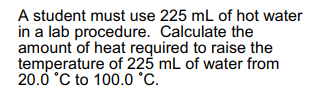
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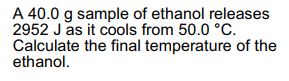
**31)**



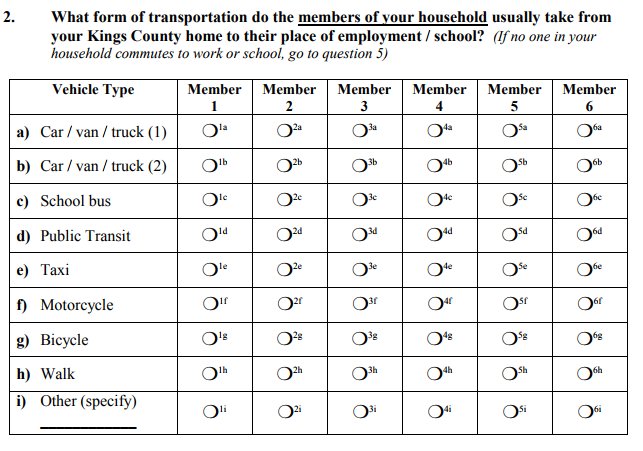
**32)**



**33)**

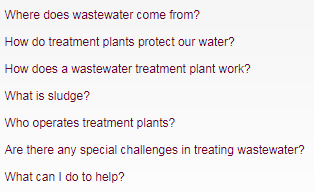
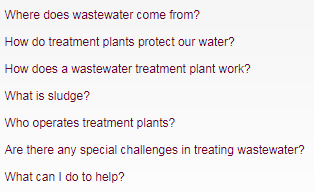


**34)**



What is the above table a part of? Explain.

**35)**



**36)**

Definitions of

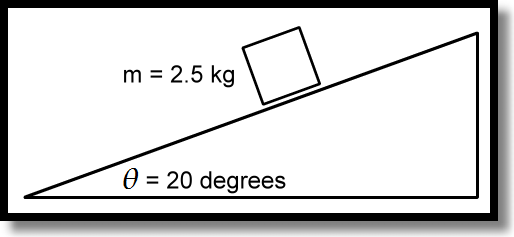
i) Contaminant

ii) Bioaccumulation

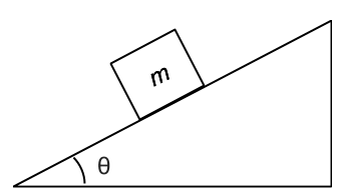
iii) Bioconcentration

iv) Toxicity Threshold

**37)** What is the horizontal force responsible for pulling the block down the incline?

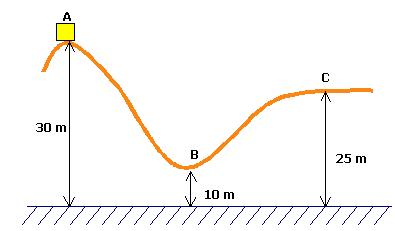


**38)**



A 20.0 g object is placed on an inclined plane at a 40.0 o angle. What force would be necessary to push the object up the incline at a constant velocity?

**39)**



What would be the speed of the 1200 g cart at C if it started at rest from A?