**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)**



**16)**



**17)**



**18)**



**19)**





**20)**



**21)**



**22)**



**23)**



**24)**



**25)**



**26)**



**27)**



**28)**



**29)**





**30)**



**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?