



**Tevkpi Iwkfg  
ILU- Inqdg Cnwvgt**

- 1 [1] Allow 1 credit for *D*.
  
- 2 [1] Allow 1 credit. Acceptable responses include, but are not limited to:
  - because force *X* and force *Y* are equal
  - Forces *X* and *Y* are equal and opposite to keep the globe in a fixed position.
  - When forces *X* and *Y* are balanced, the object will not change its motion.
  
- 3 [1] Allow 1 credit for *A*.
  
- 4 [1] Allow 1 credit for *B*.
  
- 5 [1] Allow 1 credit. Acceptable responses include, but are not limited to:
  - Since the globe is at a lower position, the potential energy is less.
  - The potential energy decreases as the globe moves from position 1 to position 2.
  - the potential energy decreases

**Ivg o Ankip o gpv  
ILU – Inqdg Cnwvgt**

<b>Ivg o Pwodgt</b>	<b>Rgthqt o cpeg Gxrgevcvkqp</b>
1	MS-PS2-5
2	MS-PS2-2
3	MS-PS2-3
4	MS-PS2-2
5	MS-PS3-2



5 [1] Allow 1 credit for *B*.

**Ivg o Ankip o gpv**  
**ILU – Ipxgukivkpi Cjgokecn Tgcevkqpu Cnwuvgt**

<b>Ivg o Pw o dgt</b>	<b>Rgthqt o cpeg Gxrgevcvkqp</b>
1	MS-PS1-2
2	MS-PS1-1
3	MS-PS1-5
4	MS-PS1-2
5	MS-PS1-6