**IB Physics**

**30ABM-O Group Quiz**

Name

**Show your work, and circle your answers and use sig figs to receive full credit.**

**Numerical Questions:**

1. What is the binding energy and binding energy per nucleon of C-14? of N-14?

2. Find the missing quantity:

|  |  |  |  |
| --- | --- | --- | --- |
|  17O + n → 14C + α | 21Ne + n → 18O + α | [3He](https://en.wikipedia.org/wiki/Helium-3) + n → T + p | 13C + n → 14C + *γ* |
|  |  |  |  |

3. Q value

4. fission q value

5. BEPN graph

6. BEPN Q value

**Conceptual Questions:**