Names: _____

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Group Activity 17 **Due:** In class, November 14th

1. In a type-I x-ray burst, the peak temperature in most model calculations is around 1GK. For these conditions, at what Q-value will the photodisintegration rate be the same order as the forward rate? (Take $\mu = 1amu$ since it's close enough to true for most reactions of interest.)

2. What's the astrophysical energy window of interest for ^{96}Zr(α,n) at T=5GK?