



# PHYSLETS ANSWER SHEET

MPS1A3

Modern Physics / Set 1 / Animation 3

Name \_\_\_\_\_ Class \_\_\_\_\_

<Show all work on calculations. Include proper units. Explanations require complete sentences.>

1) Between what two energy levels does the electron travel?

2) Is the red photon emitted or absorbed?

\_\_\_\_\_

3) How much energy does the red photon have?

\_\_\_\_\_

\_\_\_\_\_ eV

4) What is the frequency and wavelength of the photon?

\_\_\_\_\_ Hz

\_\_\_\_\_ m