

used to represent it?

PHYSLETS ANSWER SHEET

MPS1A4

Modern Physics / Set 1 / Animation 4

Class
. Explanations require complete sentences.>
tart in, state if a photon is absorbed, emitted or neither.
Level the e- starts in
n = 1
n = 2
n = 3
n = 4
wavelength of the bhoton that bombards the electron in the
wavelength of the photon that bombards the electron in the
eV
eV
eV Hz
eV Hz m
5

5)	Explain why the purple photon does not affect the electron in the n=1 level.
6)	If an electron in the $n=4$ level were bombarded by the same purple photon would it be excited to the $n=5$ level? (explain)