

Quiz #4

1. When electrons strike a metal target, X-rays are created. This is called

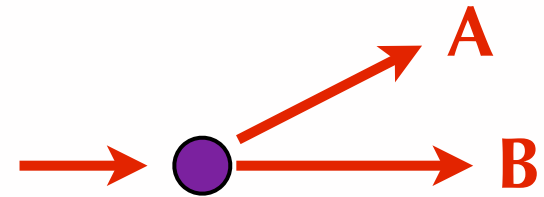
- A) bremsstrahlung B) Compton effect C) photoelectric effect**
-

2. When electrons strike a metal target, no radiation is created below a certain ____.

- A) wavelength B) frequency C) intensity**
-

3. Light is deflected by an electron as shown.
Which ray has the longer wavelength?

- A) A B) B C) Both the same**



4. Light and matter alike behave most like particles when interacting with an object that is ____ their wavelength.

- A) much smaller than B) much larger than C) about the same size as**
-

5. When my car speeds up, its deBroglie wavelength

- A) increases B) stays the same C) decreases**
-

6. The probability that a particle can be found at a certain location is proportional to its wavefunction's

- A) amplitude B) amplitude squared
C) frequency D) frequency squared**

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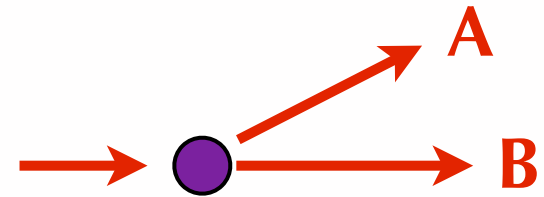
AAABCB

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