(5 points) The nucleides X and Y are isotonic to each other with mass numbers 70 and 72 respectively. If the atomic number of X is 34, then that of Y would be:
1. 36
2. 34
3. 32
4. 38
(3 points) Which of the following statements is not correct regarding cathode rays?
1. The charge/mass of these rays is considerably smaller than for positive rays
2. The rays produce mechanical effect

- 4. The rays carry negative charge

3. The charge/mass ratio is independent of the nature of the gas taken in the discharge tube