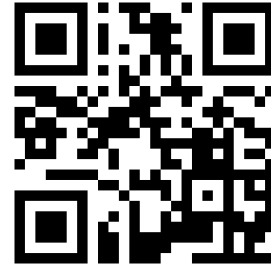


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WORKSHEET -1

1. Man-made radioactivity is also known as _____

- a. Induced radioactivity
- b. Spontaneous radioactivity
- c. Artificial radioactivity
- d. a & c

2. Unit of radioactivity is _____

- a. roentgen b. curie
- c. becquerel d. all the above

3. Artificial radioactivity was discovered by

- a. Bequerel b. Irene Curie
- c. Roentgen d. Neils Bohr

4. In which of the following, no change in mass number of the daughter nuclei takes place

- i) α decay ii) β decay
- iii) γ decay iv) neutron decay

- a. (i) is correct
- b. (ii) and (iii) are correct
- c. (i) & (iv) are correct
- d. (ii) & (iv) are correct

5. _____ isotope is used for the treatment of cancer.

- a. Radio Iodine b. Radio Cobalt
- c. Radio Carbon d. Radio Nickel

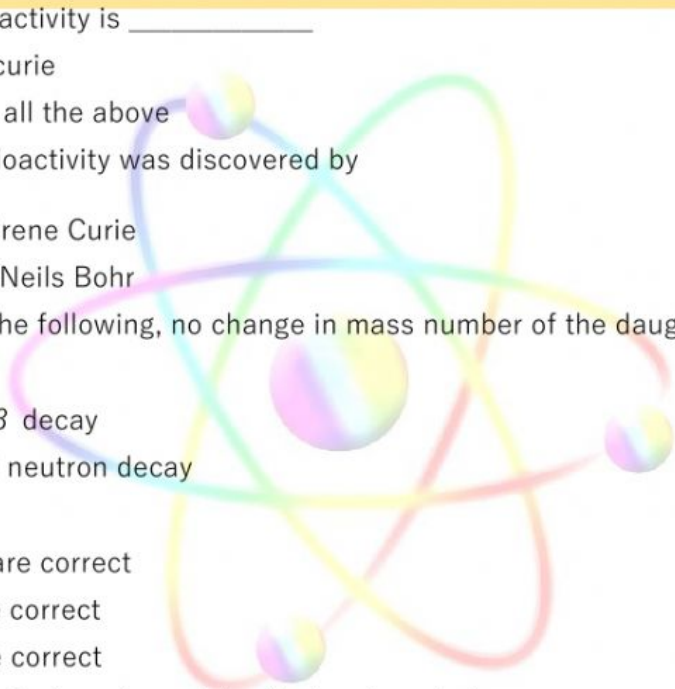
II. Fill in the blanks

1. One roentgen is equal to _____ disintegrations per second

2. Positron is an _____.

3. Anemia can be cured by _____ isotope

4. Abbreviation of ICRP _____



5. _____ is used to measure exposure rate of radiation in humans.

Match: II

- a. Fuel - lead
- b. Moderator - heavy water
- c. Control rods - cadmium rods
- d. Shield - uranium

