Radioactivity Physical Science

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1. What is non-ionizing radiation?
2. What are three types of ultra-violet radiation?
3. During what time of day is most ultra-violet light received?
4. What is a positive effect of UV radiation on the human body?
5. Which type of UV radiation penetrates deepest into the skin?
6. Sunscreen lotion should protect human skin from what kinds of UV radiation?
7. Many mobile phones work in what frequency range?
8. What human body parts are affected by using mobile phones?
9. What human body part is mostly affected by using mobile phones?
10. How much can the brain temperature rise during a 12 minute cell phone call?
11. What should you not touch the head with?
12. What are ionizing radiations?
13. What is an Alpha particle?
14. What is a Beta particle?
15. Gamma rays are known as \_\_\_\_\_\_\_.
16. How do X-rays form?
17. In ionizing radiation, neutrons behave like what?
18. Atoms are composed of what three particles?
19. Ionizing radiation is produced by what?
20. Direct ionization is caused by what?
21. Indirect ionization is caused by what?
22. What does ionizing radiation do to cells?
23. Name four common radioisotopes
	1.
	2.
	3.
	4.
24. What is radiation exposure rate?
25. Use of ionizing radiation brings \_\_\_\_\_\_\_ to humans.
26. A roentgen applies to what medium?
27. What is a rad?
28. What is rem?
29. What is Q?
30. Radiation hazard apply to \_\_\_\_\_ and the type of \_\_\_\_\_\_\_.
31. What new terms have replaced rad and rem?
32. What is the maximum radiation dose/year allowed for humans?
33. What is the half-life of radioactive material?
34. What is a fatal dose of radiation for humans?
35. How much radiation do humans get from smoking?
36. How much radiation comes from building materials?
37. How much radiation comes from nuclear power?