

GET TO KNOW NUCLEAR PATCH

Nuclear Science Basics Worksheet

Name		
Troop Number		
Grade		
Workshop Date		
Note: Please complete this worksheet using the Nuclear Science Basics presentation and bring it with you to the patch Workshop. If you have any questions, please let your GS Counselor, Parent, or Leader know!		
Questions:		
What are the basic building blocks of all matter?		
2. What are the three parts of an atom?		
, and		
3. What charge do neutrons have?		
4. What table would you look on if you wanted to find information on the element carbon?		
The table.		
5. What are atoms called that are the same element, but contain different numbers of neutrons in their nucleus?		
6. When molecules, crystals, and compounds interact, they can form new compounds. What is this change from old to new compounds called?		
reactions.		
7. What does the field of nuclear science concern?		
Nuclear Science concerns the interactions between		



8. List three commonly found radioactive obje	ects.
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9. What are two types of radioactive decay?	
	_ decay.
	_ decay.
10. What nuclear process do nuclear power p	plants use to produce most of their power
Nuclear	<u></u> .
11. BONUS! Sketch what a nuclear fission cl	nain reaction looks like.