

Name: _____

Period: _____

Isotopes Worksheet

1. What is an isotope? _____

2. What does the number next to isotopes signify? _____

3. How can you tell isotopes apart? _____

For each of the following isotopes, write the number of protons, neutrons, and electrons.

	Chromium-58	Chromium-63
# of protons		
# of neutrons		
# of electrons		

	Carbon-12	Carbon-16
# of protons		
# of neutrons		
# of electrons		

	Nitrogen-15	Nitrogen-20
# of protons		
# of neutrons		
# of electrons		

	Sulfur-23	Sulfur-25
# of protons		
# of neutrons		
# of electrons		

	Sodium-12	Sodium-20
# of protons		
# of neutrons		
# of electrons		

	Selenium-30	Selenium-35
# of protons		
# of neutrons		
# of electrons		

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Fill in the isotope names and any missing information, including isotope numbers from the chart. Use your periodic table and the information provided. The Isotopes in each chart are the same element.

Name and Atomic Mass		
# of protons	25	
# of neutrons	17	15
# of electrons		

Name and Atomic Mass		
# of protons	32	
# of neutrons	30	32
# of electrons		

Name and Atomic Mass		
# of protons		
# of neutrons	48	51
# of electrons		46

Name and Atomic Mass		
# of protons		
# of neutrons	113	111
# of electrons	55	

Name and Atomic Mass	Iron-	Iron-
# of protons		
# of neutrons	27	30
# of electrons		

Name and Atomic Mass	Iodine-	Iodine-
# of protons		
# of neutrons	32	35
# of electrons		

Name and Atomic Mass	Germanium-	Germanium-
# of protons		
# of neutrons	33	36
# of electrons		

Name and Atomic Mass	-10	-12
# of protons		6
# of neutrons		
# of electrons	6	

Name and Atomic Mass	-22	-25
# of protons		
# of neutrons		
# of electrons	11	

Name and Atomic Mass	-54	-56
# of protons	24	
# of neutrons		
# of electrons		