

THE NATION'S REPORT CARD
NEAP QUESTION SEARCH of Keyword "Elements"



Identify Chemically Similar Elements in the Periodic Table

PERIODIC TABLE OF THE ELEMENTS

GROUP IA (1)												GROUPS IIIA (3) to VIIIA (8)						GROUP IIB (2)	GROUP VIII B (8)	
1 H 1.0079																				2 He 4.0026
3 Li 6.941	4 Be 9.012											5 B 10.811	6 C 12.011	7 N 14.007	8 O 16.00	9 F 19.00	10 Ne 20.179			
11 Na 22.99	12 Mg 24.30	IIIA (3)	IVA (4)	VA (5)	VIA (6)	VIIA (7)	VIII A (8)			IB (1)	IIB (2)	13 Al 26.98	14 Si 28.09	15 P 30.974	16 S 32.06	17 Cl 35.453	18 Ar 39.948			
19 K 39.10	20 Ca 40.08	21 Sc 44.96	22 Ti 47.90	23 V 50.94	24 Cr 52.00	25 Mn 54.938	26 Fe 55.85	27 Co 58.93	28 Ni 58.69	29 Cu 63.555	30 Zn 65.39	31 Ga 69.72	32 Ge 72.59	33 As 74.92	34 Se 78.96	35 Br 79.90	36 Kr 83.80			
37 Rb 85.47	38 Sr 87.62	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.94	43 Tc (98)	44 Ru 101.1	45 Rh 102.91	46 Pb 106.42	47 Ag 107.87	48 Cd 112.41	49 In 114.82	50 Sn 118.71	51 Sb 121.75	52 Te 127.60	53 I 126.91	54 Xe 131.29			

Element	Symbol
Argon	Ar
Chlorine	Cl
Helium	He
Nitrogen	N
Zinc	Zn

- Based on its location on the partial periodic table shown above, which element would you predict has chemical properties that are most similar to argon (Ar)?
- Chlorine (Cl)
- Helium (He)
- Nitrogen (N)
- Zinc (Zn)

THE NATION'S REPORT CARD NEAP QUESTION SEARCH of Keyword "Elements"

Explanation of Scoring Patterns in re: Question Information

[Search for Questions](#) [Science Search Results](#)

Question Detail

Add to My Workspace (1)

<< Question 4 of 342 >>

What can I do here?

Question Information

Description: Identify chemically similar elements in the Periodic Table

Grade: 8

Year: 2011

Block & Number: Block S11 Question #4

Type of Question: Multiple Choice

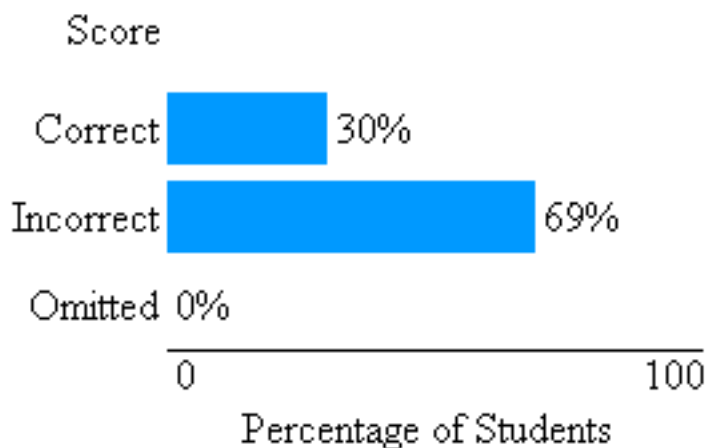
Difficulty: Hard (30.13% Correct)

Content Classification:

Content Area:

Physical Science

[STANDARD] Identify chemically similar elements in the Periodic Table



**THE NATION'S REPORT CARD
NEAP QUESTION SEARCH of Keyword "Elements"**

69% Got This Wrong. However, Overall:

The NAEP national performance results in Science at grade 8: 2011 re:

**Science Practices (2009 and on)
Chart of Using Science Principles:**

