



IONIC AND METALLIC BONDING

Practice Problems

Do your best to solve these problems on your own.

SECTION 7.1 IONS

1. How many electrons does the transition of sodium from its neutral state to Na^+ involve? Justify your answer by the ion's shell pattern.

a. 10

b. 11

c. 19

2. How many valence electrons does sodium have? Justify your answer.

a. 10

b. 11

c. 19

3. How many valence electrons does Na^+ have? Justify your answer.

a. 10

b. 11

c. 19

d. 18

e. 19

4. How many valence electrons does sodium have? Justify your answer by the ion's shell pattern.

5. How many valence electrons does sodium have? Justify your answer by the ion's shell pattern.

a. 10

b. 11

c. 19

d. 18

e. 19

f. 20

6. How many valence electrons does sodium have? Justify your answer.

a. 10

b. 11

c. 19

d. 18

7. How many valence electrons does sodium have? Justify your answer.

a. 10

b. 11

c. 19

d. 18

8. How many valence electrons does sodium have? Justify your answer.

a. 10

b. 11

c. 19

d. 18

e. 19

f. 20

Ch 7 Ionic And Metallic Bonding Workbook Answers

**Barron's Educational Series, Neil D.
Jespersen, Pamela Kerrigan**



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