

TxCETP Course Component: Introduction of Valence and Covalent Bonds

This material is based on work supported by the National Science Foundation under Grant No. DUE 9987332.

B. Post-Test

Inquiry A Evaluation

1. Sulfur has 6 electrons in its valence shell. Which of the following combinations is chemically correct?

- A) H_2S
- B) H_3S
- C) SH_4

2. Which of the following combination of atoms is not correct?

- A) H_2
- B) O_2
- C) N_2
- D) C_2
- E) H_2O

3. How many hydrogen atoms can combine with a carbon atom?

- A) 1
- B) 2
- C) 3
- D) 4
- E) 5

4. When carbon has formed a double bond with oxygen, how many valence electrons are left to combine with other elements?

- A) 1
- B) 2
- C) 3
- D) 4
- E) 5