

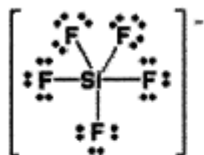
# E-RESOURCE CENTER

MAJOR ADVISING: FORENSIC SCIENCE

## Sample Assignment: Chemistry Problem (Year 1 & Year 2)

Chemical Formulas	Scientific Notation	Periodic Table	Tables
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To answer the questions, interpret the following Lewis diagram for  $\text{SiF}_5^-$ .



1. For the central **silicon** atom:

... The number of **lone pair** electrons =

The number of **bonding** electrons =

The **total** number of electrons =

2. The central **silicon** atom

... A. obeys the octet rule

B. has less than an octet.

C. has more than an octet.

CHECK ANSWER

Courtesy of *Online Web Learning (OWL)/CENGAGE Learning*