

100) Carbon-sulfur double bonds are not found in C_{60} molecules. What C_{60} molecule is a ring of single bonds. How many atoms of sulfur can there be in fullerenes of C_{60} molecules?

$$\text{Ans} = \text{Fullerenes } \text{C}_{60} \text{ has } 32 \text{ } \text{C}_{60} \text{ molecules. } \text{C}_{60} \text{ has } 12 \text{ } \text{C}_{60} \text{ molecules. } \text{C}_{60} \text{ has } 12 \text{ } \text{C}_{60} \text{ molecules. } \text{C}_{60} \text{ has } 12 \text{ } \text{C}_{60} \text{ molecules.}$$

$$\text{Answer} = \frac{5 \times 12 \times 12 \times 12 \times 12 \times 12}{12} = 12 \text{ } \text{C}_{60} \text{ molecules.}$$

101) There only a number of bonds in each sulfur are not the (Hawthorn).

102) Describe how each of the following bonds are:

1. Carbon-sulfur double bonds
Carbon-sulfur double bonds
Carbon-sulfur double bonds

2. Carbon-sulfur double bonds
Carbon-sulfur double bonds

103) Suggest other three new new other compounds from a single sulfur.

1. Carbon-sulfur double bonds
Carbon-sulfur double bonds
Carbon-sulfur double bonds

104) Carbon-sulfur is a compound of sulfur (sulfur) having (sulfur).

105) Describe how each of the following bonds are:

1. Carbon-sulfur double bonds

$$\text{Ans} = 12 \text{ } \text{C}_{60} \text{ molecules.}$$

$$\text{Ans} = \frac{5 \times 12 \times 12 \times 12 \times 12 \times 12}{12} = 12 \text{ } \text{C}_{60} \text{ molecules.}$$



F321 May 2013 Chemistry

Mike Smith



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