**Chem 1013: mini-quiz #7: bond count, electron count, valence and core counts Friday 8 Feb 6 pts**

Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_answers\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Determine the bond count and bonding electron count in the two organic compounds below:**





**rubbing**

**alcohol cyclobutane**

**Bond count \_\_\_\_11 \_\_\_\_ \_\_\_\_12\_\_\_\_\_\_**

**Electrons in bonds \_\_\_\_22\_\_\_\_ \_\_\_\_24\_\_\_\_\_\_**

**Sulfur has how many total electrons in the neutral atom ? \_\_16\_\_\_\_\_\_\_**

**Sulfur has how many core electrons ? \_\_ 10\_\_\_\_\_\_\_**

**Sulfur has how many valence electrons ? \_\_\_6\_\_\_\_\_\_**

**How does Lewis draw the Sulfur atom’s valence electrons ? 🡪 :S:**

**..**