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

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

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





**rubbing**

**alcohol cyclobutane**

**Bond count \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

**Electrons in bonds \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

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

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

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

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

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

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

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





**rubbing**

**alcohol cyclobutane**

**Bond count \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

**Electrons in bonds \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

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

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

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

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