

## Transition Metals Simple Questions

1. What is meant by the term *transition metal*? State **at least two** general properties of transition metals.

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2. Outline the difference(s) between Unidentate, Bidentate and Multidentate ligands. From the refcodes below, outline the ligand type for each:

**AWEGOZ    BEBDAO    AENIN    AGOJUB    DUGMAT**

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Unidentate ligand(s) \_\_\_\_\_

Bidentate ligand(s) \_\_\_\_\_

Multidentate ligand(s) \_\_\_\_\_

3. From the transition metal complexes below, outline the complexes which have each geometry. If you can, outline (rough) bond angles for each geometry.

**AWEGOZ    QUXWAI    KUPHEI    XETXUP    NEZKAG**

Geometry	Refcode(s)	Bond Angle(s)/°
Linear		
Tetrahedral		
Octahedral		
Other		