

VSEPR Quiz

12/12

1. Complete the table below:

AX₂E₃

Molecule	Draw a 2D Lewis Structure (1 mark C)	State the Electron Geometry Group (1 mark TI)	State the Molecular Shape (1 mark TI)	Draw a 3D structure and label bond angle(s) (1 mark TI, 1 mark C)	the molecular polarity (1 mark TI)
IClBr ⁻¹		trigonal bipyramidal ✓	Linear ✓		polar ✓ cause different atoms
SeCl ₄		trigonal bipyramidal ✓	seesaw ✓		polar ✓

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AX₄E