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| Application | Chosen material  | 3 reasons for choice of material | Marks 20 |
| Wind turbine blades | FRPFRE | RigidLightweightEasily mouldedTorsion resistantResistant to fatigueGood weather/temperature resistance.  | 4 |
| Pillar drill chuck guard | AcrylicPolycarbonate | HardCan be injection mouldedTransparentImpact resistant | 4 |
| Cylinder head | Cast ironAluminium | Able to be castInexpensive (iron)Lightweight (aluminium)Corrosion resistantHigh melting pointRigid | 4 |
| Anti – vibration mounts | Specific Rubber eg: silicone | High energy storageSound absorptionFlexibleElasticityCan be cast into shape | 4 |
| Centre punch | Medium carbon steelCarbon tool steel | HardToughnessImpact resistant | 4 |