

01. 0620_w12_ms_32 Q: 1

- (a) (i) Sb;
- (ii) Xe / B;
- (iii) Sr / Te / A / D;
- (iv) Sn and I / E and F;
- (v) Sr / A; [5]
- (b) any two from:
physical
niobium is
harder; stronger; higher mp/bp; higher density [2]
note: there has to be a comparison
- any two from:
chemical
niobium is less reactive; forms coloured compounds; forms complex ions; its
compounds have catalytic properties; has more than one oxidation state; has more
than one valency electron; [2]
note: the response has to refer to or compare properties of both elements
- [Total: 9]
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