A group of students decided to investigate the reactivity of four different transition metals; rhenium, vanadium, zirconium and tantalum. They did this by placing small pieces of each metal in separate test tubes with the appropriate test solutions. The 1.00 mol L-1 test solutions were prepared by dissolving the nitrate salt of each metal in distilled water. Their results are summarised in the table below.

Metal	Metal Ions			
	Re <sup>3+</sup> (aq)	V <sup>2+</sup> (aq)	Zr <sup>4+</sup> (aq)	Ta³⁺(aq)
Rhenium		no reaction	no reaction	no reaction
Vanadium	reaction occurs		no reaction	reaction occurs
Zirconium	reaction occurs	reaction occurs		reaction occurs
Tantalum	reaction occurs	no reaction	no reaction	

- 14. Which of these metals is the **most** easily oxidised?
  - (a) rhenium
  - (b) vanadium
  - (c) zirconium
  - (d) tantalum