

Electronic configurations of the first series of d -block elements

Element	Atomic number	Electronic configuration
Scandium	21	$[\text{Ar}]3d^14s^2$
Titanium	22	$[\text{Ar}]3d^24s^2$
Vanadium	23	$[\text{Ar}]3d^34s^2$
Chromium	24	$[\text{Ar}]3d^54s^1$
Manganese	25	$[\text{Ar}]3d^54s^2$
Iron	26	$[\text{Ar}]3d^64s^2$
Cobalt	27	$[\text{Ar}]3d^74s^2$
Nickel	28	$[\text{Ar}]3d^84s^2$
Copper	29	$[\text{Ar}]3d^{10}4s^1$
Zinc	30	$[\text{Ar}]3d^{10}4s^2$