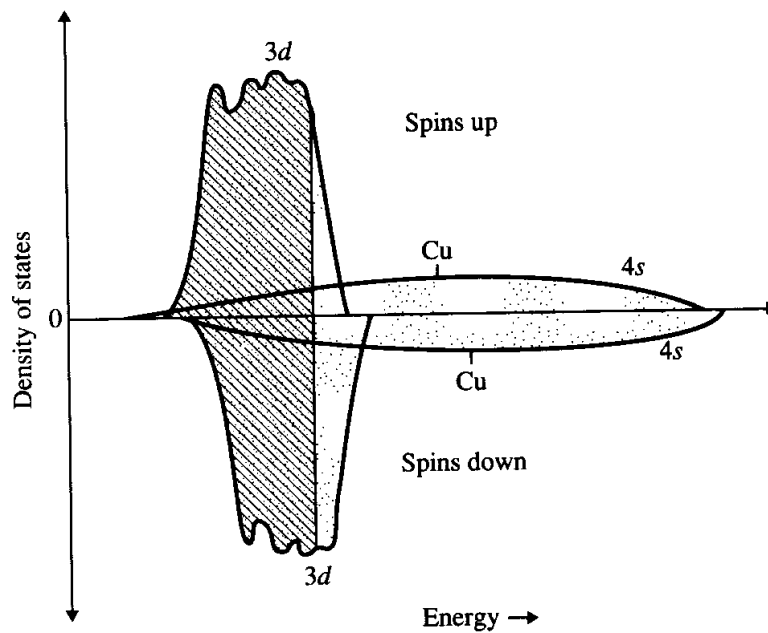


# Band Structure and Ferromagnetism



**FIGURE 12.12**

Density-of-states diagrams for a ferromagnetic transition metal. The upper bands correspond to electrons with spins "up"; the lower bands correspond to electrons with spins "down." The points marked Cu indicate the Fermi energy of copper, for which there is no relative displacement of the bands.