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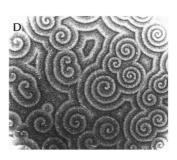


FIGURE 17.7. Complex structures can be produced by self-organization. (*A*) Regular patterns produced by the wind blowing across a sandy desert on Mars. (*B*) Spirals generated spontaneously from a mixture of inorganic chemicals. (*C*) The T4 bacteriophage is formed by the spontaneous aggregation of protein molecules. (*D*) Aggregation of the slime mold *Dictyostelium discoideum*.

17.7A, NASA/JPL/Malin Space Science Systems; 17.7B, image from Journal of Chemical Education software; 17.7D, reprinted from Hofer T. et al., *Proc. R. Soc. Biol. Sci.* 259: 249–257, © 1995 Royal Society