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1. Sample answer: Food, air, and water because there is none in space; computer with photos of friends, music player, e-book reader, and Internet access for entertainment, keeping and analyzing records, and communication; therapy bands for resistance exercise; sleeping bag because blankets would not stay in place while sleeping; ear plugs to block out others' sounds; and tools to fix things.

2. Sample answer: protection from the airless, cold, radiationfilled outer space; storage for supplies (including food) and waste (dirty clothes, human waste, food packaging, etc.); exercise area; sleeping and bathroom spaces; place and equipment to perform experiments; communication with Earth; windows.