

Thermal Energy: An Antarctic Challenge

Extremely cold temperatures and strong winds make Antarctica a harsh place for researchers to live and work. They rely on their research facilities to protect them and their equipment from Antarctica's extreme environment. The Antarctic landscape provides little land or rock on which to build structures. Therefore, building structures for the research team requires careful planning. In this activity, you will research the extreme conditions in Antarctica and materials used as thermal insulators. After conducting your research, you will design and build a facility for a research team in Antarctica. During this process, you will provide detailed plans and descriptions of your structures.