Applying the second law

Using the second law of thermodynamics, determine which processes are reversible, which are irreversible, and which are impossible.

- What happens if you throw an ice cube into water at room temperature? Is the reverse possible?
- What happens if you drop a room-temperature rubber band into ice-cold water? Is the reverse possible?
- You leave a cup of water in a sealed room and some of it evaporates.
- You drop a stone into a bucket of water.

by David Roundy