**Soil Erosion**

**Problem:** soil erosion

**Cause:** overgrazing, removing vegetation cover from soil

**Effect(s):** soil washes or blows away

**Solution:** rotational grazing, no-till farming

**New problem:** increased labor and infrastructure needs with rotational grazing, overuse of pesticides may cause water pollution

**Chemical Fertilizers and Pesticides**

**Problem:** chemical pollution

**Cause:** using chemical fertilizers and pesticides

**Effect(s):** increase production, pollute water, harm non-target organisms

**Solution:** integrated pest management (IPM)

**New problem:** none identified in text, but students may recognize that IPM and precision farming could require new, specialized equipment or increase labor requirements

**Wetlands**

**Problem:** loss of wetlands

**Cause:** draining or filling in wetlands

**Effect(s):** flooding, loss of habitat for wildlife, loss of natural water purification

**Solution:** passing laws to protect wetlands

**New problem:** people are unable to use their property as they wish