## Student Copy Page - Best Management Practices (page 1 of 2)

#### **Roads and Streets**



- · dispose of paints, solvents and petroleum products at approved disposal sites, not in storm drains or street gutters
- · fix automobile oil and fuel leaks
- stop oil dumping on rural roads
- use nonchemical de-icers (sand and ash) on roads, sidewalks and driveways
- construct a sediment catch basin to collect storm water runoff
- · reduce road construction runoff by building terraces and catch basins and by planting cover crops

## **Agriculture**



- read and follow all labels, and ask for application directions before using chemicals, fertilizers and pesticides
- use conservation tillage
- use contour farming
- · use strip cropping
- leave filter strips and field borders along wetlands and streams
- use a cover crop to protect exposed soil
- rotate crops
- · plant shelter belts and windbreaks
- institute pasture management
- terrace areas prone to erosion
- construct livestock waste collection and treatment ponds for confined livestock
- use grassed waterways
- seal abandoned wells and waste disposal wells
- fence waterways to reduce the impact of livestock on riparian zones

### Logging



- monitor water entering and leaving cut areas
- prevent sediments from reaching streams and lakes by building terraces, catch basins and natural filters
- · leave a vegetative buffer zone in riparian areas
- · maintain and restore effective watersheds
- implement a plan to reduce erosion from roads

# Copy Page – Best Management Practices (page 2 of 2)

### **Mining**



- monitor all water entering and leaving mine sites
- intercept and reroute uncontaminated water away from contaminated areas
- construct catch basins and terraces and plant cover crops to catch sediment and prevent erosion
- catch and treat contaminated water
- stabilize stream channels
- stabilize mining waste areas to prevent release of materials into streams
- maintain buffer strips along streams

## Construction



- implement a sediment control plan
- plant ground cover to reduce erosion
- · dispose of solvent, paint and other wastes at approved disposal sites
- build temporary, small dikes to slow and catch runoff
- · build sediment catch basins to collect construction runoff
- build earth berms and filter runoff before water enters stream

### **Residential**



- use nonchemical de-icers (sand and ash) on residential driveways and sidewalks
- follow label instructions for pesticide and fertilizer use
- consider xeriscaping (landscaping that utilizes indigenous and drought-tolerant plants)
- use nonchemical fertilizers (compost) on gardens
- dispose of household hazardous waste at approved disposal sites
- maintain septic tanks if sewers are not available