



Name _____

Adaptation or Mitigation?

Below are 12 policy and program actions. For each, decide whether the action shows **adaptation** to climate change impacts, or **mitigation** of the causes of climate change. Be prepared to explain your choice. Also tell whether the action can be done by individuals, private industry, or a government agency.

1. Produce high-quality, low-emission biofuels made from renewable materials such as corn cobs, wood chips, or switch grass.
2. Provide biodiesel pumps at a variety of refueling stations.
3. Offer policy options for more rapid growth of biomass technologies, especially those that produce electricity and thermal energy.
4. Make tax incentives available to renewable energy production facilities and consumer income tax credit to offset the higher cost of renewable energy
5. Use manure to replace commercial fertilizer on livestock farms
6. Develop anaerobic digesters to capture methane and produce biogas
7. Arrange forest health programs that monitor forest health and implement a combination of regulatory and science based technology initiatives to reduce insect and disease damage to forests
8. Publish Wind Siting Guidelines for small- and large-wind systems.
9. Create emergency energy reduction measures due to high temperatures and corresponding high electric demand
10. Raise heat efficiency by reclaiming heat from condensate to heat domestic hot water, and free cooling efficiency through use of outdoor air when temperature and conditions are appropriate
11. Support investments for bicycle lanes and multi-use trails, sidewalks, carpool lots, and passenger transportation facilities
12. Build roundabouts to reduce delay and fuel usage by effectively eliminating lengthy queues at intersections