

Philippines Economy Under Climate Pressure: From Agriculture to Energy Co

Environment & Economy · Answer Key · 15 Questions

1. What is the projected annual GDP growth reduction for the Philippines due to climate change impacts on agriculture, according to economic modeling?

- A) 0.02%
- B) 0.9%**
- C) 3.8%
- D) 5%

2. Approximately what percentage of the material value of key plastic resins is lost annually in the Philippines due to discarding rather than recycling?

- A) 25%
- B) 50%
- C) 78%**
- D) 90%

3. The Green Energy Option Program (GEOP) in the Philippines has enabled participating companies to achieve significant cost reductions. What is the average percentage of carbon emission reduction reported by GEOP switcher companies?

- A) 20%
- B) 50%
- C) 79%**
- D) 90%

4. By 2050, without adaptation strategies, what is the estimated annual climate-related loss for the Philippines as a percentage of GDP?

- A) 5-10%
- B) 18-25%**
- C) 30-40%
- D) 50-60%

5. What is the estimated annual loss in revenue for the Philippines due to discarding plastic instead of recycling it?

- A) \$89 million
- B) \$890 million**
- C) \$8.9 billion
- D) \$89 billion

6. The Philippines' National Adaptation Plan (NAP) identifies several priority sectors. Which of the following is NOT among the eight priority sectors identified in the NAP?

- A) Agriculture and Fisheries
- B) Energy, Transport and Communications
- C) Education and Skill Development**
- D) Ecosystems and Biodiversity

7. What percentage of the Philippines' power generation mix is accounted for by imported fossil fuels, making businesses vulnerable to global energy market volatility?

- A) 22%
- B) 50%
- C) 78%**
- D) 97%

8. According to a 2021 report, roughly what fraction of all ocean plastics comes from the Philippines?

- A) One-tenth
- B) One-quarter
- C) One-third**
- D) One-half

9. What is the projected decline in rice production in Luzon by 2050 if no interventions are put in place due to climate change?

- A) 10-20%
- B) 20-40%
- C) 40-60%**
- D) 60-80%

10. The Philippines aims to increase the share of renewables in its energy mix. What is the target share by 2030?

- A) 25%
- B) 35%**
- C) 50%
- D) 75%

11. How much could the cumulative economic costs of climate change reach in the Philippines by 2040 as a percentage of GDP, according to World Bank estimates?

- A) 3.8%
- B) 7.6%
- C) 13.6%**
- D) 20%

12. Ocean acidification threatens coral reefs and marine life. What percentage of the Philippines' coral reefs have been lost in the last few decades due to various impacts including overfishing and poor waste management?

- A) 10%
- B) 20%
- C) 30%**
- D) 50%

13. What is the estimated amount of plastic waste generated annually in the Philippines?

- A) 0.75 million tons
- B) 1.2 million tons
- C) 2.7 million tons**
- D) 16.3 million tons

14. The Philippines' Nationally Determined Contribution (NDC) commits to a projected greenhouse gas (GHG) emissions reduction and avoidance of 75% by 2030. What percentage of this reduction is unconditional (using the nation's own resources)?

- A) 0.75%
- B) 2.71%**
- C) 5%
- D) 72.29%

15. What is the estimated economic damage to Philippine agriculture from natural and extreme events and disasters between 2010 and 2019?

- A) PHP 29 billion
- B) PHP 290 billion**
- C) PHP 463 billion
- D) PHP 8.27 billion