

# What Is Environmental Impact Assessment?

## Worksheet

EIA is a structured process - screening, scoping, impact analysis, mitigation, review and monitoring - used to identify and reduce a project's likely environmental effects before construction begins.

$$I = E + W + \frac{CO_2}{\Delta t}$$

## Questions

1. What is the primary purpose of an Environmental Impact Assessment?

- A) To calculate construction cost
- B) To predict and evaluate a project's environmental effects before approval
- C) To design the building's structure
- D) To select interior finishes

2. In the EIA process, what happens during 'screening'?

- A) Measuring exact pollution levels
- B) Deciding whether the project needs a full EIA at all
- C) Approving the final design
- D) Monitoring construction

3. A project scores M=3, P=3, D=2 for its impact significance. What is IS?

- A) 8
- B) 18
- C) 24
- D) 36

4. What is 'mitigation' in an EIA?

- A) Ignoring negative impacts
- B) Measures to avoid, reduce, or offset harmful effects
- C) Increasing the project's environmental footprint
- D) Skipping monitoring

5. A proposed factory scores Magnitude=4, Probability=4, Duration=3 for air pollution. What is its impact significance score?

6. A small renovation project scores Magnitude=1, Probability=2, Duration=1 for noise. Find IS.

7. A dam project affecting a wetland scores Magnitude=5, Probability=5, Duration=5 for ecological impact. Find IS and its category.

8. Define: What is an EIA?

9. Define: What is 'scoping' in the EIA process?

10. Define: What is mitigation in EIA?

## Answer Key

1. B) To predict and evaluate a project's environmental effects before approval - EIA exists to identify likely environmental effects before a project is approved, so they can be avoided or mitigated.
2. B) Deciding whether the project needs a full EIA at all - Screening is the first step: determining if a project's scale/type triggers the need for a full assessment.
3. B)  $18 - IS = MPD = 332 = 18$ .
4. B) Measures to avoid, reduce, or offset harmful effects - Mitigation measures reduce or offset a project's predicted environmental harm.
5.  $IS = M P D IS = 4 4 3 IS = 48$  (high significance - mitigation required)
6.  $IS = M P D IS = 1 2 1 IS = 2$  (very low significance - likely exempt from full EIA)
7.  $IS = M P D IS = 5 5 5 = 125$  Maximum possible score critical significance, extensive mitigation and alternatives required
8. A formal process predicting and evaluating a project's environmental effects before approval.
9. The stage where the most significant potential impacts and study boundaries are identified.
10. Measures designed to avoid, reduce, or offset a project's negative environmental effects.

### **Bounlu**

All cards, step-by-step solutions and an AI tutor are in the Notek app.  
Promy turns exam dates into automatic reminders.