



INDIAN SCHOOL AL WADI AL KABIR

Class: VIII	Department: Computer Science	Year: 2026-2027
Worksheet -1 with solutions	Subject: Computer Science Topic: AI Project Lifecycle	

i) Multiple choice questions?

1. AI learns from:
 - a) Magic
 - b) Luck.
 - c) Data.
 - d) Guessing.
2. In spam detection, the AI problem is to:
 - a) Send emails
 - b) Write emails
 - c) Delete all emails
 - d) Identify spam emails
3. The first stage of a project cycle is:
 - a) Defining the problem
 - b) Data collection
 - c) Model development
 - d) Model deployment
4. If an AI model predicts 8 out of 10 spam emails, the accuracy of the model is?
 - a) 50%
 - b) 20%
 - c) 80%
 - d) 100%

5. AI model improves because:

- a) It thinks like a human
- b) It has feelings
- c) New data is added
- d) It gets angry

ii) Fill in the blanks?

1. AI learns by finding _____ in data.
2. An AI project follows a _____ cycle.
3. Spam emails often contain suspicious _____.
4. NLP helps machines understand _____.
5. AI cannot work without _____.

iii) Think and apply

1. Imagine you are building an AI system to detect fake news.

Fill the table:

Stage	Your Answer
Define the problem	-----
Collect data	-----
Test AI tools	-----
Reflect and improve	-----

Solutions

i) Multiple choice questions.

1. c) Data
2. d) Identify spam emails
3. a) Defining the problem
4. c) 80%
5. c) New data is added

ii) Fill in the blanks?

1. patterns
2. project
3. words
4. improve
5. data

iii) Identify the AI Domain

Stage	Your Answer
Define the problem	Detect fake news articles
Collect data	Collect real and fake news examples
Test AI tools	Check if AI correctly identifies fake news
Reflect and improve	Add more data and improve accuracy