مدارس العناية – ثنائية اللغة
Al-Enayah Bilingual School
مستقبل أبنائك يبدأ بلغتين

First Semester of the Academic Year 1447-2O25

Worksheet 11

Level	Primary	Name	
Subject	Science	Class	6

Part A:Match the term with the correct definition:

1 Speed	a) Change in position over time
2 Velocity	b) Speed with direction
3 Acceleration	c) Distance ÷ time
4 Motion	d) Change in speed or direction

Part B: Multiple Choice

1. Which of the following is velocity?

a) 10 m/s b) 15 km c) 20 m/s north

---

2. Which situation shows acceleration?

a) Car moving straight at constant speed b) Car turning right c) Car parked

---

3. What is the unit of acceleration?

a) m/s b) m/s^2 c) km

✏️ Part C: Complete

1. If speed increases ⟶ acceleration (speeding up)

2. If speed decreases ⟶ deceleration (slowing down)

3. If direction changes ⟶ acceleration

✏️ Part D: Solve

1. A student walks 50 m in 10 s

   👉 Speed = 50 ÷ 10 = 5 m/s

---

2. A car goes from 10 m/s to 30 m/s in 4 s

   👉 Acceleration = (30 - 10) ÷ 4 = 20 ÷ 4 = 5 m/s^2

---

3. A bus slows from 20 m/s to 10 m/s in 5 s

   👉 Acceleration = (10 - 20) ÷ 5 = -10 ÷ 5 = -2 m/s^2