

Name _____

Time Zone Conversion Answer Key

Conversions:

1. Rocket Launch

- Local: 3:00 PM New York (UTC-5) → **8:00 PM UTC**
- Tokyo: UTC+9 → **5:00 AM (next day)**

2. Concert

- Local: 9:00 PM London (UTC+0) → **9:00 PM UTC**
- Dubai: UTC+4 → **1:00 AM (next day)**

3. Business Call

- Local: 11:00 AM Dubai (UTC+4) → **7:00 AM UTC**
- New York: UTC-5 → **2:00 AM**

4. Soccer Match

- Local: 7:00 PM Tokyo (UTC+9) → **10:00 AM UTC**
- London: UTC+0 → **10:00 AM**

5. Festival

- Local: 6:00 AM Sydney (UTC+10) → **8:00 PM UTC (previous day)**
- New York: UTC-5 → **3:00 PM (previous day)**

Reflection (Sample Answer):

UTC is the universal reference that ensures accuracy. Without it, direct conversions could become confusing, especially if multiple time zones are involved or when crossing the International Date Line.