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## Topic One: Diagrams and Description of Objects

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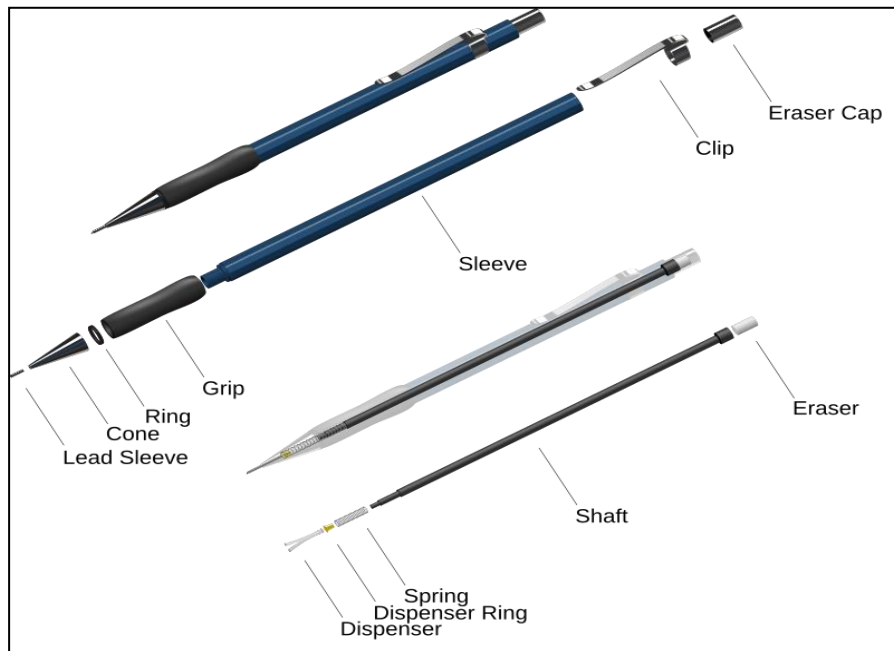
### Practical Exercises

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#### Exercise 1: Labeling a Diagram تسمية الأجزاء على الرسم التخطيطي

**Instructions:** Look at the diagram of a basic mechanical pencil provided below (or visualize one in your mind if not available). Label the following parts in the diagram:

- Lead
- Eraser
- Grip
- Sleeve
- Clip



**Solution:**

1. **Lead:** The part of the pencil that writes on the paper.
2. **Eraser:** The small rubber part on the end of the pencil used to erase writing.  
الممحاة: الجزء المطاطي الصغير الموجود في نهاية القلم الرصاص ويستخدم لمحو الكتابة.
3. **Grip:** The textured area near the tip of the pencil for holding comfortably.  
القبضة: المنطقة المحبوكة بالقرب من طرف القلم الرصاص للإمساك به بشكل مريح.
4. **Sleeve:** is one of the most important components of mechanical pencils because they protect inside materials from breaking. الغلاف: هو أحد أهم مكونات الأقلام الرصاص الميكانيكية لأنه يحمي المواد الموجودة بالداخل من الكسر.
5. **Clip:** The part attached to the side that allows the pencil to be clipped onto papers or pockets. المشبك: الجزء المرفق بالجانب والذي يسمح بتثبيت القلم على الأوراق أو الجيوب.

## Exercise 2: Describing Object Features

**Instructions:** Describe the features of the following objects using **adjectives** and **prepositions of place**.

**Objects:**

1. **Smartphone**
2. **Laptop**

**Solution:**

1. **Smartphone:**
  - "A smartphone typically has a **large rectangular** screen on the **front**. The camera is located at the **top right** corner of the **back**. The **volume** buttons are on the **side** of the phone, and the power button is on the opposite side. There is a **small** port at the **bottom** for charging."

<b>adjectives</b>	<b>prepositions of place</b>
large – Size	• <b>on</b> (the front)
rectangular – Shape	• <b>at</b> (the top right corner of the back)
front – Position	• <b>on</b> (the side of the phone)

top – Position	• <b>on</b> (the opposite side)
right – Position	• <b>at</b> (the bottom for charging)
back – Position	
volume – Purpose (describes the buttons' function)	
small – Size	
bottom – Position	

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### What about the word "side" ?

Good catch! In this context, "side" acts as a **noun** rather than an adjective. It specifies a part or section of the phone rather than describing or modifying a noun.

Here's how "side" is used:

- "on the side of the phone" – *side* is a noun that refers to a part of the phone.
- "on the opposite side" – *opposite* is the adjective modifying *side*, which remains a noun.

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### 2. Laptop:

- "A laptop has a flat rectangular screen attached to a keyboard. The trackpad is located below the keyboard, and the speakers are positioned on either side. There are several ports on the sides of the laptop for charging and connecting devices."
- " يحتوي الكمبيوتر المحمول على شاشة مستطيلة مسطحة متصلة بلوحة مفاتيح. توجد لوحة التتبع أسفل لوحة المفاتيح، ويتم وضع مكبرات الصوت على كلا الجانبين. يوجد العديد من المنافذ على جانبي الكمبيوتر المحمول للشحن وتوصيل الأجهزة "

Adjectives and Their Types:	Prepositions of Place:
1. <b>flat</b> – (Shape)	• <b>attached to</b> (a keyboard)
2. <b>rectangular</b> – (Shape)	• <b>below</b> (the keyboard)
3. <b>several</b> – (Quantity)	• <b>on</b> (either side)
4. <b>sides</b> – (Position) (when used as <i>on the sides</i> )	• <b>on the sides</b> (of the laptop)

5. <b>either</b> – (Quantity) (meaning <i>one of two</i> )	
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### Exercise 3: Sentence Formation

**Instructions:** Write sentences describing the function of the following devices. Use the present simple and the 'to' of purpose.

1. **Thermometer**
2. **Camera**
3. **Printer**

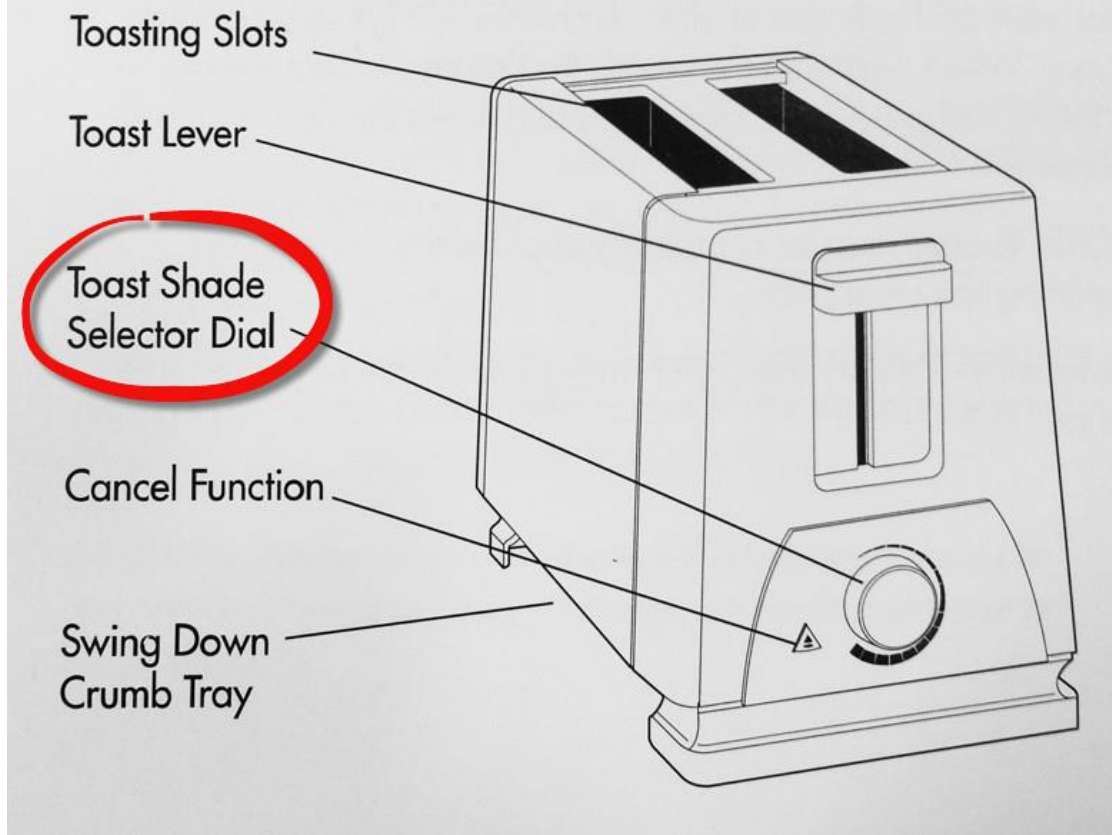
**Solution:**

1. **Thermometer:** "A thermometer **measures** temperature **to ensure** accurate readings."
  2. **Camera:** "A camera **captures** images **to create** visual records."
  3. **Printer:** "A printer **prints** documents **to provide** physical copies."
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### Exercise 4: Making Statements About Diagrams

**Instructions:** Look at the diagram of a basic toaster (visualize it if no diagram is available) and complete the following statements:

## Getting To Know Your Toaster



1. The heating elements are located \_\_\_\_\_.
2. The lever is used to \_\_\_\_\_.
3. The slots are designed to \_\_\_\_\_.

### Solution:

1. The heating elements are located **inside the walls of the toaster**.
2. The lever is used to **lower the bread into the slots and start the heating process**.  
يتم استخدام الرافعة لإنزال الخبز في الفتحات وبدء عملية التسخين.
3. The slots are designed to **hold the bread upright during toasting**.  
تم تصميم الفتحات لتثبيت الخبز في وضع مستقيم أثناء التحميص.

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### Exercise 5: Expressing Measurements

**Instructions:** Describe the dimensions of the following objects. Use appropriate vocabulary and measurements (basic metric units).

1. **A standard door**
2. **A smartphone screen**

**Solution:**

1. **A standard door:** "A standard door is about **2 meters tall** and **0.9 meters wide**."
  2. **A smartphone screen:** "The smartphone screen measures **6 inches diagonally**."
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### **Exercise 6: Making Inferences**

**Instructions:** Read the following statements about a diagram of a coffee machine. Infer what the device is doing based on the description.

1. The water tank is full, and the machine is powered on.
2. The coffee is being dispensed into a cup.

**Solution:**

1. **Inference:** The coffee machine is ready to brew coffee since the water tank is full and the power is on.
  2. **Inference:** The machine is in the process of brewing coffee and dispensing it into the cup.
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### **Exercise 7: Reading Comprehension**

**Instructions:** Read the following short text and answer the questions.

**Text:** "The electric fan consists of a motor, blades, and a protective cover. The motor rotates the blades at high speed, creating airflow. The cover protects the user from the rotating blades."

**Questions:**

1. What is the main function of the motor?
2. What is the purpose of the protective cover?

**Solution:**

1. The main function of the motor is to **rotate the blades**.
  2. The purpose of the protective cover is to **protect the user from the rotating blades**.
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## **Exercise 8: Writing Task**

**Instructions:** Write a short paragraph describing the function and main components of a refrigerator.

**Solution:** "A refrigerator is a household appliance used to preserve food by keeping it cold. It has several key components, including the compressor, evaporator, and condenser. The compressor circulates refrigerant gas, which absorbs heat from inside the refrigerator. The evaporator cools the air inside, while the condenser releases the absorbed heat outside."

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