

**Sample Entrance  
Exam Paper**

**Grade-6**



## Section A: Comprehension

**Directions:** Read the passage below. Then answer the questions.

### How is chocolate made?

Have you ever wondered where chocolate comes from? Well, chocolate is made from beans which grow in pods on the Theobroma cacao tree. These trees grow in several different countries and the flavour of the beans varies depending on where they come from. The beans also vary in flavour, depending on the age of the tree.

After the beans have been collected and dried, they are transported to chocolate factories. There, the beans are weighed and separated by type so that the manufacturer knows exactly what kind of cacao is going into the chocolate. This ensures the flavour of the chocolate is consistent over time. Some manufacturers use up to twelve types of cacao, depending on the flavour of chocolate they want to create.

Once weighed, the cacao beans are roasted in large ovens for up to two hours. The heat not only dries and darkens the beans, but also brings out their flavour. Next, the cacao beans are cracked, and then winnowed – that is, the broken shells are blown away, which leaves the crushed pieces of cacao beans, called ‘nibs’. These are edible but do not taste very pleasant. The cacao nibs are then crushed and ground into a thick paste called chocolate liquor. This is bitter and not very smooth or creamy. To improve the flavour, the manufacturer mixes in things like sugar, vanilla and milk.

You could eat this mixture, and it would taste pretty good, but it wouldn’t quite have the right texture. So the manufacturer runs the mixture through steel rollers and then it is ‘conched’. This is a process which involves putting the mixture in a machine that mixes and mashes the chocolate. Conching can last a few hours for cheaper chocolate, and up to six days for more expensive types. Finally, we have chocolate!



**Answer the following questions:**

1. Name one thing that affects the taste of cacao beans.

\_\_\_\_\_

2. 'This ensures the flavour of the chocolate is consistent over time.' Explain in your own words what 'consistent over time' means.

\_\_\_\_\_

3. Number these processes from the text to show the correct order. The first process has been numbered for you.

Grinding \_\_\_\_\_

Roasting \_\_\_\_\_

Weighing 1

Winnowing \_\_\_\_\_

4. Give one word from the text to describe how chocolate liquor tastes.

\_\_\_\_\_

5. Name two ingredients that are added to chocolate liquor to make it taste better.

\_\_\_\_\_

6. Why is 'conching' important?

\_\_\_\_\_



7. Give three connectives used to show time in the text.

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8. Why are connectives used to show time in this text.

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**Section B: Grammar:**

**1. Write the simile or metaphor it contains and tell which it is.**

- The house is a shoe box. \_\_\_\_\_
- She is as tall as the skyscraper. \_\_\_\_\_
- The pillow was a cloud when I put my head upon it after a long day.

\_\_\_\_\_

**2. Change this sentence from the present to the past.**

- She wants to go to the shopping mall.

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- He plays table tennis every day.

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3. Fill in the table, using words from this sentence.

“The gorgeous girl is merrily enjoying her first holiday.”

Word class	Word from the sentence.
Noun	
Verb	
Adjective	
Pronoun	
Adverb	

“The poisonous snake attacked its predator hastily.”

Word class	Word from the sentence.
Noun	
Verb	
Adjective	
Pronoun	
Adverb	

4. Read each sentence and tell whether it has personification or not.

- The plants begged for water. \_\_\_\_\_
- The cake was calling my name. \_\_\_\_\_
- My phone died at the last moment. \_\_\_\_\_



**5. Underline the main clause in this sentence.**

- Male robins are distinct from other birds as they have a bright red belly.
- Before the rain began the team started to play their game.

**6. Write the passive form of the following sentences.**

- Birds eat the seeds.

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- The boys keep the bags.

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**7. Add two apostrophes to this sentence.**

The parks vistiors shouldnt be expected to pay for tickets.

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**8. Write the meaning of the following idioms.**

Get into hot water: \_\_\_\_\_

Beat around the bush: \_\_\_\_\_

Under the weather: \_\_\_\_\_

Break a leg: \_\_\_\_\_

A piece of cake: \_\_\_\_\_



9. Choose the type from simple, compound or complex to describe these sentences.

Sentence	Type of sentence
He is trying to understand the situation.	
She is an active member of orchestra.	
They have become a popular police officer.	
Whenever it rains, I like to wear my blue coat.	
Although she was considered smart, she failed all her exams	
I spent all my savings, so I can't go to France this winter.	
I want to lose weight, yet I eat chocolate daily.	

10. Correct the following sentences using subject – verb agreement

- The children becomes happier.

\_\_\_\_\_

- The authors writes the text.

\_\_\_\_\_

- The boys runs fast.

\_\_\_\_\_

- My mother drive the red car.

\_\_\_\_\_

- The girl cook delicious pasta.

\_\_\_\_\_



**11. Write the correct comparative and superlative adjectives.**

- 1-Bangkok, Thailand is the \_\_\_\_\_ city in the world. (hot)
2. Pedro is \_\_\_\_\_ than Maggie. (tall)
- 3-Antonia is \_\_\_\_\_ than Gemma. (noisy)
- 4-Río de la Plata is the \_\_\_\_\_ river in the world. (wide)
- 5.Laura is \_\_\_\_\_ than Jane. (beautiful)
- 6-Mount Everest is the \_\_\_\_\_ mountain in the world. (high)





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**Section C: Writing Spend 25 minutes on this section.**

- 1) Write a biography of your favorite person.

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2) Write an information fact sheet on an area you know well for visitors who have not been there before.

You could include information on places to visit and things to do there.

Where is the Park / Place situated?

What can I see and do?

Parking and facilities.

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3) Write a formal letter to the principal asking for 5 days leave.

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4) Write an informal letter to your grandmother thanking her for your birthday gift.

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1. Read each question carefully. Write your answer on the line provided.  
Show your working.

1. $846 \div 6 =$ _____	2. $696 \div 8 =$ _____
3. $9832 \div 12 =$ _____	4. $564 \div 6 =$ _____
5. $9832 \div 12 =$ _____	6. $9832 \div 12 =$ _____



2. **Find the following products:**

(i)  $86957 \times 65$

(ii)  $17654 \times 75$

3. 1440 apples are packed equally in 12 boxes. How many apples are packed in a box?

4. The product of two numbers is 1425. If one number is 75 then what is the other number?

5. The cost of a laptop is \$12876. Find the cost of 785 laptops.

6. If 8 bags of pears cost \$9600, what is the cost of 624 bags of pears?



**7. Calculate.**

i)  $626.7 + 524.5$

ii)  $421.7 + 32.01$

ii)  $509.3 - 101.2$

iv)  $789.01 - 45.2$

**8. What is the value of each expression? Circle the simplest form.**

I.  $\frac{3}{6} + \frac{1}{8}$

A.  $\frac{1}{8}$

B.  $\frac{11}{24}$

C.  $\frac{13}{24}$

D.  $\frac{5}{8}$

II.  $\frac{6}{8} - \frac{3}{8}$

A.  $\frac{1}{8}$

B.  $\frac{3}{8}$

C.  $\frac{2}{8}$

D.  $\frac{1}{2}$

III.  $1\frac{5}{6} + 10\frac{1}{6}$

A. 11

B. 12

C. 13

D. 14



9. A store sells  $\frac{3}{5}$  pound of cabbage and  $\frac{1}{3}$  pound of spinach. How many more pounds of cabbages did the store sell?

10. Wally has \$84. He used  $\frac{1}{6}$  of his money to buy a new pair of running shoes. How much did Wally spend on his new shoes?

11. Read each question carefully. Show your working. Multiply.

I.  $8 \times \frac{2}{4}$

II.  $2 \frac{1}{2} \times \frac{7}{9}$

III.  $8 \frac{1}{2} \times \frac{7}{9}$

IV.  $6 \div \frac{1}{3}$

V.  $6 \frac{4}{3} \times \frac{2}{3}$

IV.  $2 \div \frac{18}{4}$





12. Solve.

- I.  $10\text{g} = \underline{\hspace{2cm}} \text{mg}$
- II.  $40 \text{ l} = \underline{\hspace{2cm}} \text{m}^3$
- III.  $88\text{m} = \underline{\hspace{2cm}} \text{mm}$
- IV.  $8650 \text{ m} = \underline{\hspace{2cm}} \text{km}$
- V.  $3 \text{ Km} = \underline{\hspace{2cm}} \text{cm}$
- VI.  $5 \text{ Kg} = \underline{\hspace{2cm}} \text{gm}$

13. Here are five number cards.

**6.05      56.0      5.60      0.65      6.5**

Write them in order starting with the smallest.

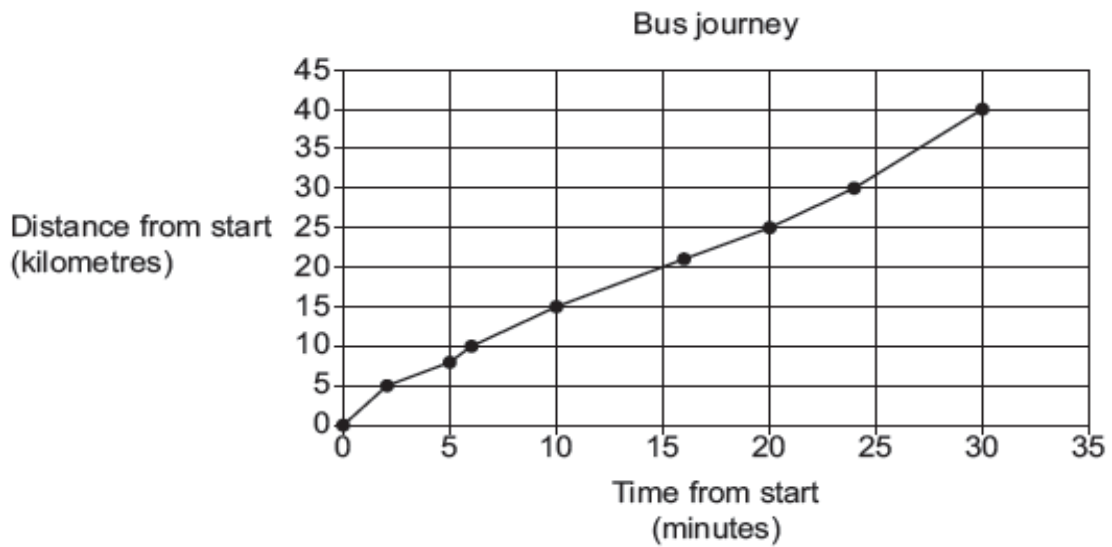
smallest				largest

14. Write numbers from smallest to largest.

345,897	421,625	223,990	678,909	567,823
_____	_____	_____	_____	_____
962,268	827,697	962,334	815,770	836,564
_____	_____	_____	_____	_____
224,541	627,044	672,522	315,578	431,966
_____	_____	_____	_____	_____



15. The graph shows information about a bus journey.



(a) Write the distance the bus travels in the first 20 minutes.

..... km [1]

(b) Write the total time of the bus journey.

..... minutes [1]

16. Write first six multiples of 6, 8 and 9.

6: \_\_\_\_\_

8: \_\_\_\_\_

9: \_\_\_\_\_



17. Tick (✓) **all** the statements that could be regrouped as **32.23**

$$30 + 2.1 + 0.13$$

$$20 + 2.1 + 1.13$$

$$30 + 12.1 + 1.13$$

$$20 + 12.1 + 0.13$$

18. **Write following values in expanded form, one has been done for you.**

i)  $3479.105 = 3 \text{ thousands} + 4 \text{ hundreds} + 7 \text{ tens} + 9 \text{ ones} + 1 \text{ tenths} + 0 \text{ hundredths} + 5 \text{ thousandths}$

$$= 3000 + 400 + 70 + 9 + 1/10 + 0/100 + 5/1000$$

(ii) 7833.45

(iii) 21.1097

**18. Write the following in short form.(solution is done)**

(i)  $100 + 0.5 + 0.06 + 0.008$

(ii)  $80 + 1 + 0.02 + 0.005$



= 100.568

= 81.025

iii)  $203 + 0.9 + 0.04 + 0.006$

(iv)  $20 + 0.4 + 0.01 + 0.009$

19.

 and  represent the prices of two different hats.

$$\text{knit hat} + \text{knit hat} + \text{cap} = \$18$$

$$\text{cap} = \text{knit hat} + \text{knit hat}$$

Complete each statement.

$$\text{knit hat} = \$ \dots\dots\dots$$

$$\text{cap} = \$ \dots\dots\dots$$

[1]

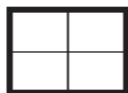
20. Youssef puts some toy animals in a line.



Write the ratio of giraffes to elephants.

..... : ..... [1]

21. Here is a whole square.



Draw lines to match **each** diagram to the **two** equivalent number of squares it represents.

Diagram

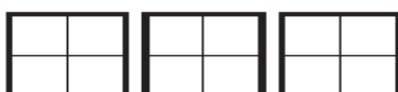
Number of squares



3



$\frac{5}{4}$



$2\frac{1}{2}$

$1\frac{1}{4}$

$\frac{10}{4}$

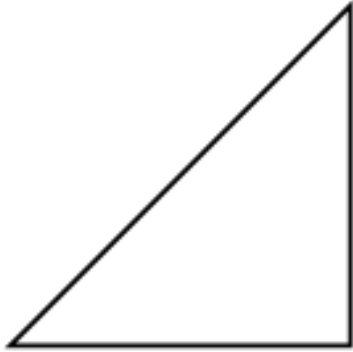
$\frac{12}{4}$

[2]

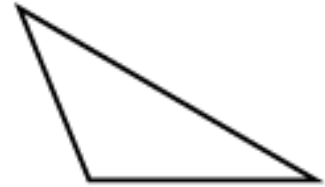


22. Determine if each triangle is acute, obtuse or right and if it is an equilateral, isosceles or scalene.

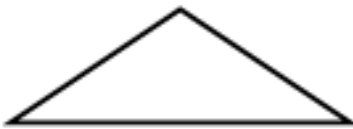
1)



2)



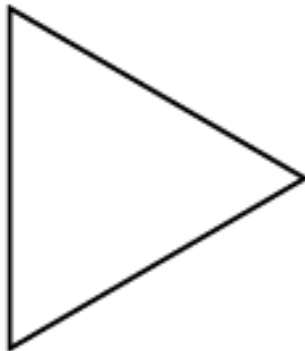
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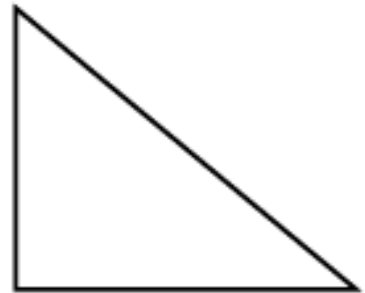
4)



5)



6)



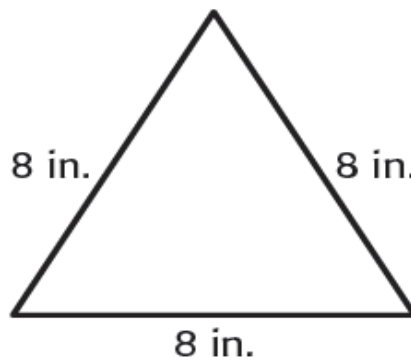


23. How many faces, edges, and vertices does a number cube have?

- A. 6 faces, 8 vertices, 6 edges
- B. 6 faces, 10 vertices, 10 edges
- C. 6 faces, 8 vertices, 12 edges
- D. 6 faces, 10 vertices, 8 edges

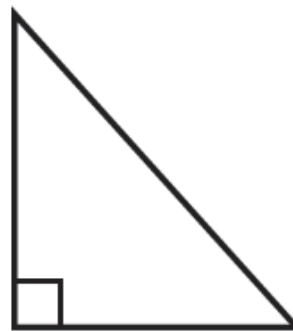
24. Classify the triangle by its sides

- A. Acute triangle
- B. Equilateral triangle
- C. Isosceles triangle
- D. Scalene triangle



25. Classify the triangle by its angles.

- A. Equilateral triangle
- B. Acute triangle
- C. Right triangle
- D. Obtuse triangle



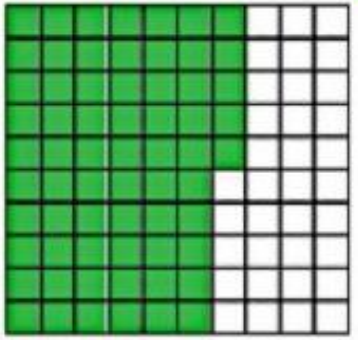
26. Perry draws a regular hexagon. The total length of the sides is 48 feet. What is the length of one side?

- A. 7 feet
- B. 9 feet
- C. 8 feet
- D. 13 feet



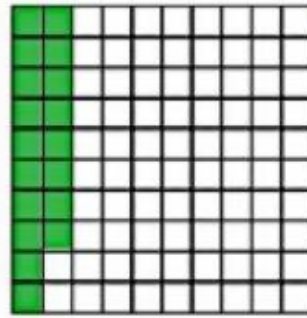
24. Calculate the percentage of shaded area.

1)



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2)



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25. Calculate.

<b>50% of 1000</b>	<b>30% of 900</b>
<b>80% of 200</b>	<b>70% of 2100</b>
<b>10% of 600</b>	<b>20% of 400</b>



**Question 1: Define the following terms.**

1. Microorganisms: \_\_\_\_\_

\_\_\_\_\_

2. Organisms: \_\_\_\_\_

\_\_\_\_\_

3. Species: \_\_\_\_\_

\_\_\_\_\_

4. Classification: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. Reversible change: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. Irreversible change: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

7. Melting: \_\_\_\_\_

\_\_\_\_\_

8. Evaporation: \_\_\_\_\_

\_\_\_\_\_





9. Mixture: \_\_\_\_\_

\_\_\_\_\_

10. Force: \_\_\_\_\_

\_\_\_\_\_

11. Gravity: \_\_\_\_\_

\_\_\_\_\_

12. Food chain: \_\_\_\_\_

\_\_\_\_\_

13. Producer: \_\_\_\_\_

\_\_\_\_\_



## Question 2: Multiple Choice Questions:

1. The body system that is responsible for holding your body up (keeping it from a blob like Jello) is the \_\_\_\_\_ system
  - A. Nervous
  - B. skeletal
  - C. digestive
  - D. excretory
  
2. Which system includes the brain and spinal cord?
  - A. Nervous
  - B. skeletal
  - C. digestive
  - D. excretory
  
3. Which life process is food digestion a part of in animals? Circle the correct answer.
  - A. Growth
  - B. movement
  - C. nutrition
  - D. reproduction
  
4. Which would make a sugar and water solution more dilute?
  - A. Let water evaporate away
  - B. Add sugar and stir.
  - C. Add water and stir.
  - D. Heat to boil away water.
  
5. The word DISSOLVE means
  - A. When a substance, often a solid, do not mixes with a liquid and becomes a part of the liquid.
  - B. When a substance, often a solid, mixes with a liquid and becomes a part of the liquid.
  - C. None of the above.
  
6. Sugar is \_\_\_\_\_ in water.
  - A. Soluble
  - B. Insoluble
  
7. Freezing, melting, dissolving and filtration are
  - A. Reversible process
  - B. Irreversible process
  
8. Burning, rusting and cooking are.
  - A. Reversible process
  - B. Irreversible process
  
9. A substance formed in a chemical reaction.
  - A. reactant
  - B. product
  
10. The arrow in food chain means
  - A. Food chain
  - B. Food web
  - C. Eaten by



**Question 3: Indicate whether the statement is true or false.**

1. Some plants have thick, waxy stems that allow them to live in a desert environment. (        )
2. It shows how food energy moves among organisms. (        )
3. A force is any push or pull from one object to another. (        )
4. If a student dropped a flat piece of paper and a crumpled piece of paper at the same time and from the same height, they would hit the ground at the same time. (        )
5. Most organisms are made of more than one cell. (        )
6. Using a magnet is one way to separate a mixture of sand particles and water. (        )
7. Photosynthesis is a chemical reaction that plants perform to create food. (        )
8. Reptiles found in a hot desert are active only at night. (        )
9. Bladder stores urine. (        )
10. Lungs help us to breathe in oxygen and breath out carbon dioxide. (        )
11. Gravity is a type of force. (        )
12. Kidney pumps blood to all parts of the body. (        )
13. Same kind of cells combine to form organ system. (        )
14. Melting is an irreversible process. (        )
15. There are six chambers. (        )
16. Predators hunt and eat other animals. (        )



**Question 4:**

1. What is force?

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2. What is freezing point?

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3. What is a solute?

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4. What is an ecosystem?

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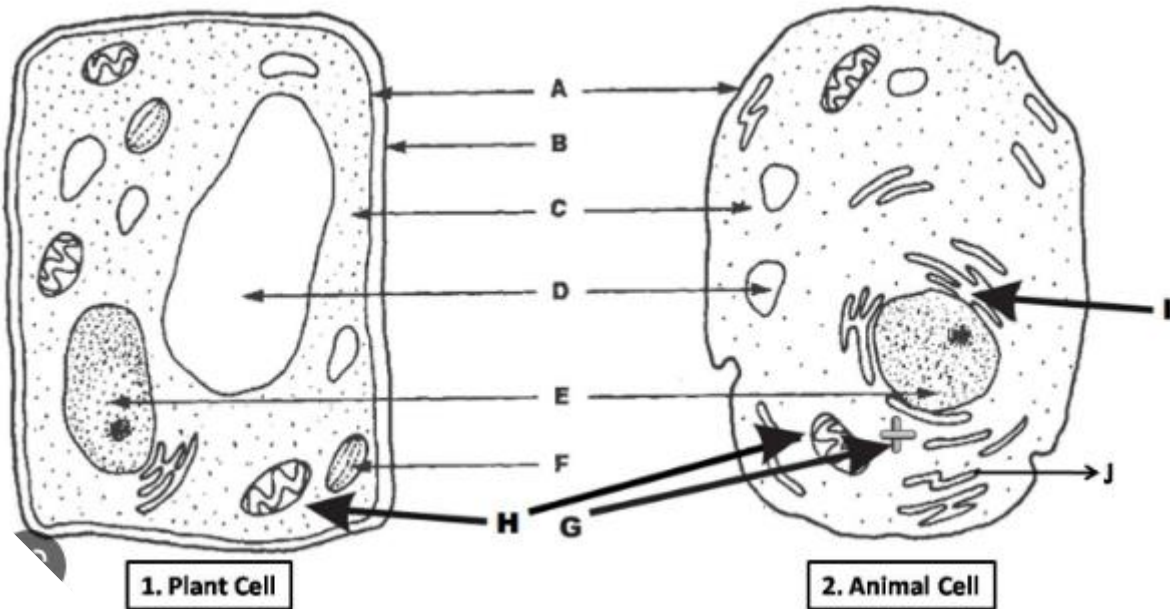
5. What is the difference between mass and weight?

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**Question 5: Label the diagram from A to F**

1.



A: \_\_\_\_\_

B: \_\_\_\_\_

C: \_\_\_\_\_

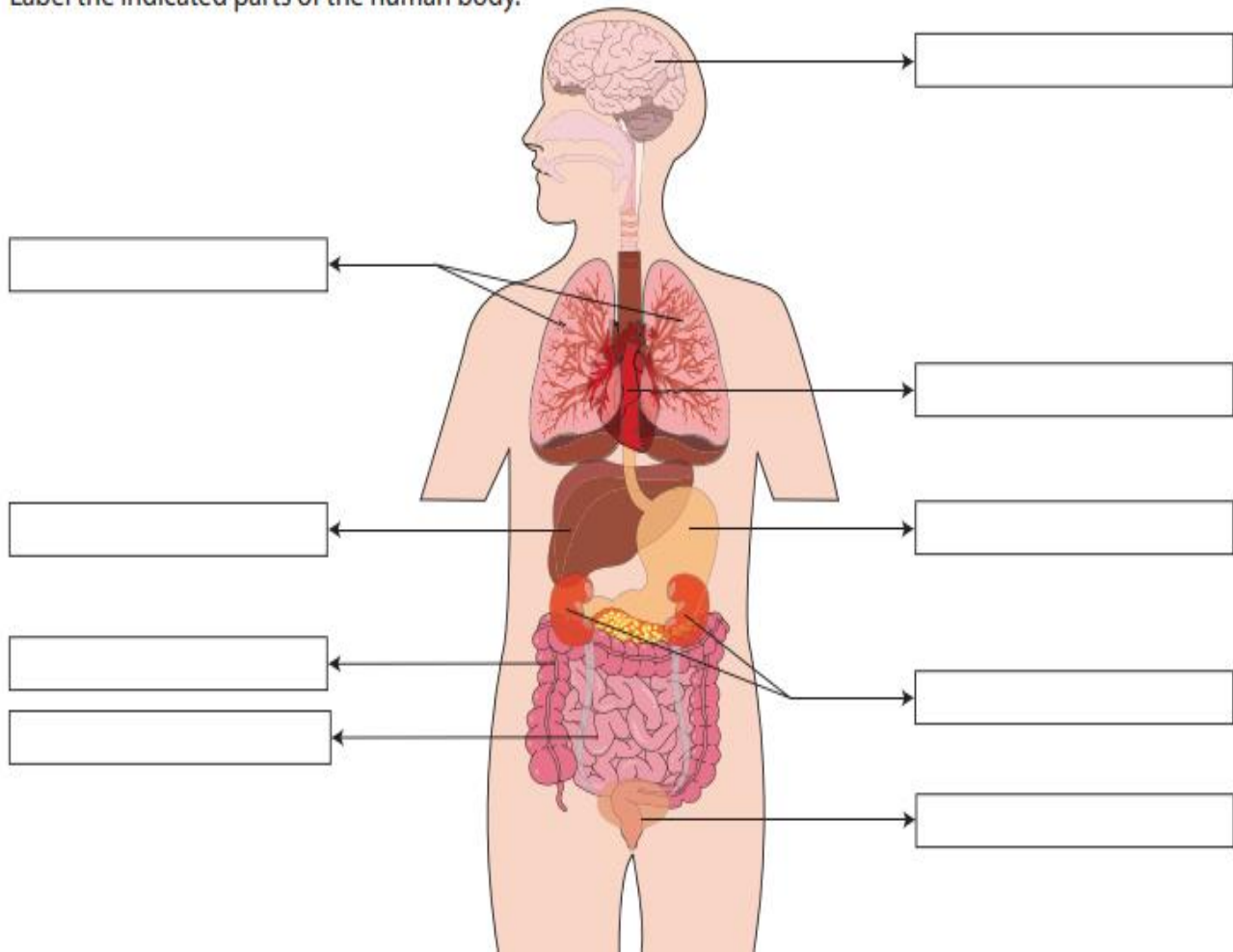
D: \_\_\_\_\_

E: \_\_\_\_\_






F: \_\_\_\_\_

2.

Label the indicated parts of the human body.



3. Seeds are dispersed by different methods.  
 (a) Complete the table.

seed	dispersed by
 cherry	.....
 dandelion	.....
 maple	.....
 sandbur	.....
 witch hazel	.....

(b) Germination and seed dispersal are two parts of the life cycle of a plant. Write down **two other** parts of the life cycle of a plant.

1 \_\_\_\_\_ 2 \_\_\_\_\_

**4. Acetone is a solvent.**

It has a low boiling point and evaporates easily.

**(a)** What is the meaning of the word **solvent**?

.....

**(b)** Complete the sentence about the meaning of **boiling point**.

Boiling point is the ..... at which a .....  
becomes a .....

**(c)** The evaporation of acetone is a reversible process.

Explain why.

.....  
.....

**5.** The diagram shows living things in a food chain.



grass



grasshopper



frog



snake



bird

- i) Make arrow to show transfer of energy.
- ii) Name any two predators from organisms given above.

\_\_\_\_\_

- iii) Name any two predators from organisms given above.

\_\_\_\_\_