

## English

### Section A: Comprehension

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

**How is chocolate made?**

**Answer the following questions:**

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

- where the tree is grown / where the beans comes from
- the age of the tree.

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

- always the same
- never different/changing.

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

Grinding 4

Roasting 2

Weighing 1

Winnowing 3

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

**bitter**

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

**Sugar, vanilla, milk**

6. Why is 'conching' important?

**To improve the texture**

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

- **After**
- **Next**
- **Then**
- **finally.**

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

- **to sequence events**
- **to show the order in which things happen.**

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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. **metaphor**
- She is as tall as the skyscraper. **simile**
- The pillow was a cloud when I put my head upon it after a long day.

**metaphor**

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

- She wants to go to the shopping mall.

**Wanted went**

- He plays table tennis every day.

**played**

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       | <b>girl</b>             |
| Verb       | <b>enjoying</b>         |
| Adjective  | <b>gorgeous</b>         |
| Pronoun    | <b>her</b>              |
| Adverb     | <b>merrily</b>          |

“The poisonous snake attacked its predator hastily.”

| Word class | Word from the sentence. |
|------------|-------------------------|
| Noun       | <b>snake</b>            |
| Verb       | <b>attacked</b>         |
| Adjective  | <b>poisonous</b>        |
| Pronoun    | <b>its</b>              |
| Adverb     | <b>hastily</b>          |

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

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

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.

**The seeds are eaten by birds.**

---

- The boys keep the bags.

**The bags are kept by the boys.**

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7. Add two apostrophes to this sentence.

The parks **visitor's should n't** be expected to pay for tickets.

8. Write the meaning of the following idioms.

Get into hot water: **to be in trouble**

Beat around the bush: **to avoid getting to the point of an issue**

Under the weather: **being sick**

Break a leg: **Good luck**

A piece of cake: **something easy**

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

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

10. Correct the following sentences using subject – verb agreement

- The children becomes happier.  
**children become or child becomes**
- The authors writes the text.  
**author writes or authors write**
- The boys runs fast.  
**boys run or boy runs**
- My mother drive the red car.  
**mother drives**
- The girl cook delicious pasta.  
**girl cooks or girls cook**

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

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

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

- 1) Write a biography of your favorite person.
- 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.
- 3) Write a formal letter to the principal asking for 5 days leave.
- 4) Write an informal letter to your grandmother thanking her for your birthday gift.

### Answer Key

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

|   |   |
|---|---|
| 1. $846 \div 6 =$<br><b>141</b> _____       | 2. $696 \div 8 =$<br><b>87</b> _____        |
| 3. $9832 \div 12 =$<br><b>819.333</b> _____ | 4. $564 \div 6 =$<br><b>94</b> _____        |
| 5. $9832 \div 12 =$<br><b>819.333</b> _____ | 6. $9832 \div 12 =$<br><b>819.333</b> _____ |

2. Find the following products:

- (i)  $86957 \times 65 =$  **5652205**  
(ii)  $17654 \times 75 =$  **1324050**

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

**120**

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

**19**

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

**10107660**

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

**748800**

7. Calculate.

i)  $626.7 + 524.5 =$  **1151.2**

ii)  $421.7 + 32.01 =$  **453.71**

ii)  $509.3 - 101.2 =$  **408.1**

iv)  $789.01 - 45.2 =$  **743.81**

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. 12

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?

$\frac{12}{15}$  OR  $\frac{4}{5}$

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?

**\$14**

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

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

**4**

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

**35/18**



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

**119/18**

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

**9**

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

**44/9**

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

**8/18**

12. Solve.

I.  $10\text{g} = \underline{\text{1000}}$  mg

II.  $40\text{ l} = \underline{\text{40000}}$  ml

III.  $88\text{m} = \underline{\text{88000}}$  mm

IV.  $8650\text{ m} = \underline{\text{8.65}}$  km

V.  $3\text{ Km} = \underline{\text{300000}}$  cm

VI.  $5\text{ Kg} = \underline{\text{5000}}$  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.

**0.65**

**5.6**

**6.05**

**6.5**

**56.0**

smallest

largest

14. Write numbers from smallest to largest.

345,897

421,625

223,990

678,909

567,823

**223,990,**

**345,897**

**421,625**

**567,823,**

**678,909**

962,268

827,697

962,334

815,770

836,564

**815,770**

**827,697**

**836,564**

**962,268**

**962,334**

224,541

627,044

672,522

315,578

**224,541**

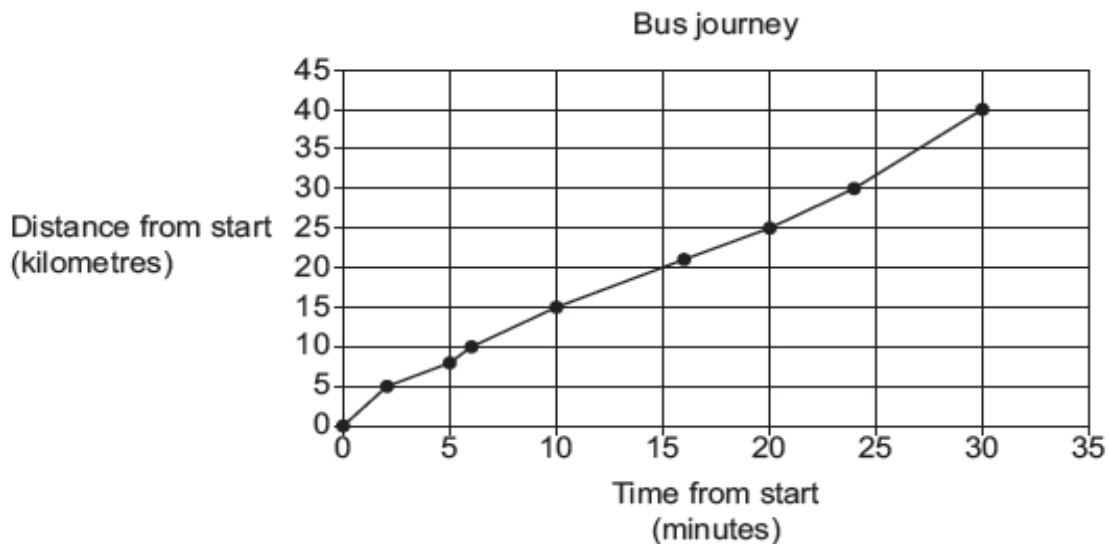
**315,578**

**431,966**

**627,044**

**627,522**

15. The graph shows information about a bus journey.



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

..... **25** km [1]

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

..... **30** minutes [1]

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

**6: 6,12,18,24,30,36**

**8: 8,16,24,32,40,48**

**9: 9,18,27,36,45,54**

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)  $7000 + 800 + 33 + 0.25 + 0.2 = 7833.45$

(iii)  $20 + 10 + 0.09 + 0.007 = 21.1097$

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

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

$$= 100.568$$

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

$$= 81.025$$

iii)  $203 + 0.9 + 0.04 + 0.006$

$$204.946$$

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

$$20.419$$

19. Youssef puts some toy animals in a line.



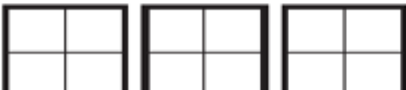


Write the ratio of giraffes to elephants.

20. Here is a whole square.



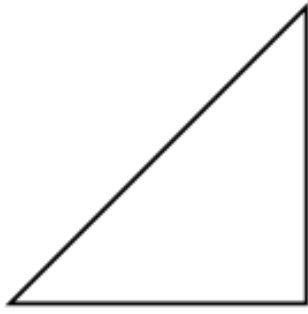
Draw lines to match **each** diagram to the **two** equivalent number of squares it represents.

| Diagram   | Number of squares   |
|---|---|
|  | <div style="border: 1px solid black; padding: 2px; display: inline-block;">3</div><br><div style="border: 1px solid black; padding: 2px; display: inline-block;"><math>\frac{5}{4}</math></div><br><div style="border: 1px solid black; padding: 2px; display: inline-block;"><math>2\frac{1}{2}</math></div><br><div style="border: 1px solid black; padding: 2px; display: inline-block;"><math>1\frac{1}{4}</math></div><br><div style="border: 1px solid black; padding: 2px; display: inline-block;"><math>\frac{10}{4}</math></div><br><div style="border: 1px solid black; padding: 2px; display: inline-block;"><math>\frac{12}{4}</math></div> |
|  |   |
|  |   |

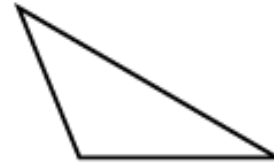
*Note: Orange lines in the original image connect Diagram 1 to 3 and 10/4, Diagram 2 to 5/4, and Diagram 3 to 12/4.*

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

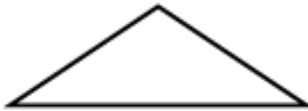
1)



2)



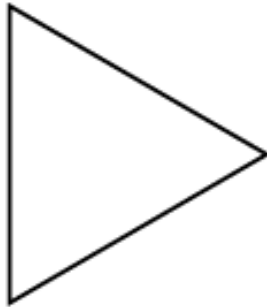
3)



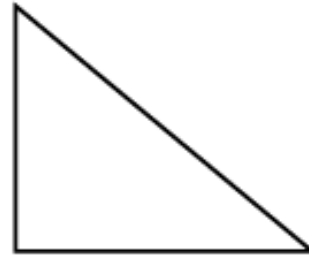
4)



5)



6)



Answers

1. Right isosceles

2. Obtuse scalene

3. Obtuse isosceles

4. Acute isosceles

5. Acute Equilateral

6. Right scalene

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

A. 6 faces, 8 vertices, 6 edges

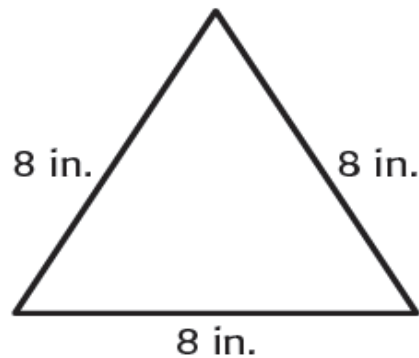
B. 6 faces, 10 vertices, 10 edges

C. 6 faces, 8 vertices, 12 edges

D. 6 faces, 10 vertices, 8 edges

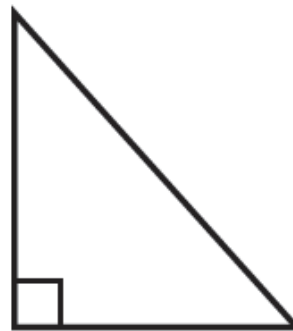
23. Classify the triangle by its sides

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



24. Classify the triangle by its angles.

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

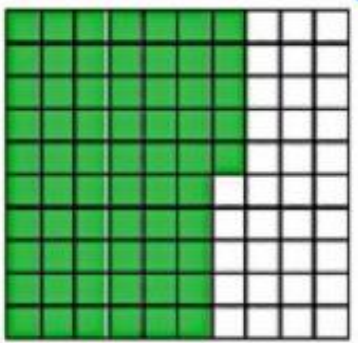


25. Perry draws a regular hexagon. The total length of the sides is 48 feet. What is the length of one side?

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

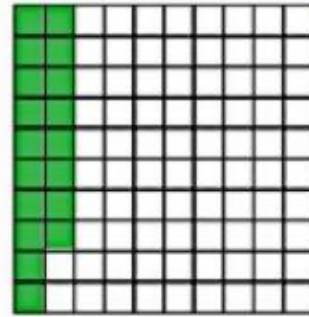
24. Calculate the percentage of shaded area.

1)



$$-65/100 \times 100 = 65\%-----$$

2)



$$-18/100 \times 100 = 18\%$$

25. Calculate.

|   |  |
|---|--|
| <p><b>50% of 1000</b></p> <p><b>500</b></p> | <p><b>30% of 900</b></p> <p><b>270</b></p>   |
| <p><b>80% of 200</b></p> <p><b>160</b></p>  | <p><b>70% of 2100</b></p> <p><b>1470</b></p> |
| <p><b>10% of 600</b></p> <p><b>60</b></p>   | <p><b>20% of 400</b></p> <p><b>80</b></p>    |



## Answer Key

### Question 1: Define the following terms.

1. **Microorganisms:** Microorganisms, also called microbes, are extremely tiny organisms that can only be seen under a microscope.
2. **Organisms:** a living thing that has an organized structure, can react to stimuli, reproduce, grow, adapt, and maintain homeostasis.
3. **Species:** a group of organisms that consist of similar individuals capable of interbreeding or exchanging genes among themselves.
4. **Classification:** Classification is the process of grouping objects based on a certain criteria. Grouping different substances on the of their similarities and dissimilarities is called classification.
5. **Reversible change:** A reversible change is a change that can be undone or reversed for example melting, freezing, condensation, boiling/evaporation
6. **Irreversible change:** An irreversible change is a change that cannot be undone or reversed for example cooking, rusting.
7. **Evaporation:** Evaporation is the process by which a liquid turns into a gas. It is also one of the three main steps in the global water cycle.
8. **Mixture:** A mixture is a combination of two or more substances, which do not react with each other. Examples: sugar and water, sugar and sand, etc.
9. **Force:** A pull or push.
10. **Gravity:** Gravity is a force which tries to pull two objects toward each other. Anything which has mass also has a gravitational pull.
11. **Food chain:** A food chain refers to the order of events in an ecosystem, where one living organism eats another organism, and later that organism is consumed by another larger organism.
12. **Producer:** Organisms that produce their own food from simple inorganic substances such as water, sunlight, and carbon dioxide are called producers.





## Question 2: Multiple Choice Questions:

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



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

- Some plants have thick, waxy stems that allow them to live in a desert environment. ( T )
- It shows how food energy moves among organisms. ( T )
- A force is any push or pull from one object to another. ( T )
- 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. ( F )
- Most organisms are made of more than one cell. ( T )
- Using a magnet is one way to separate a mixture of sand particles and water. ( F )
- Photosynthesis is a chemical reaction that plants perform to create food. ( T )
- Reptiles found in a hot desert are active only at night. ( T )
- Bladder stores urine. ( T )
- Lungs help us to breathe in oxygen and breath out carbon dioxide. ( T )
- Gravity is a type of force. ( T )
- Kidney pumps blood to all parts of the body. ( T )
- Same kind of cells combine to form organ system. ( F )
- Melting is an irreversible process. ( F )
- There are six chambers. ( F )
- Predators hunt and eat other animals. ( T )

**Question 4:**

1. What is force?

A force is a pull or a push.

2. What is freezing point?

The temperature at which solid turns into liquid.

3. What is a solute?

A substance that is dissolved in a solution is called a solute.

4. What is an ecosystem?

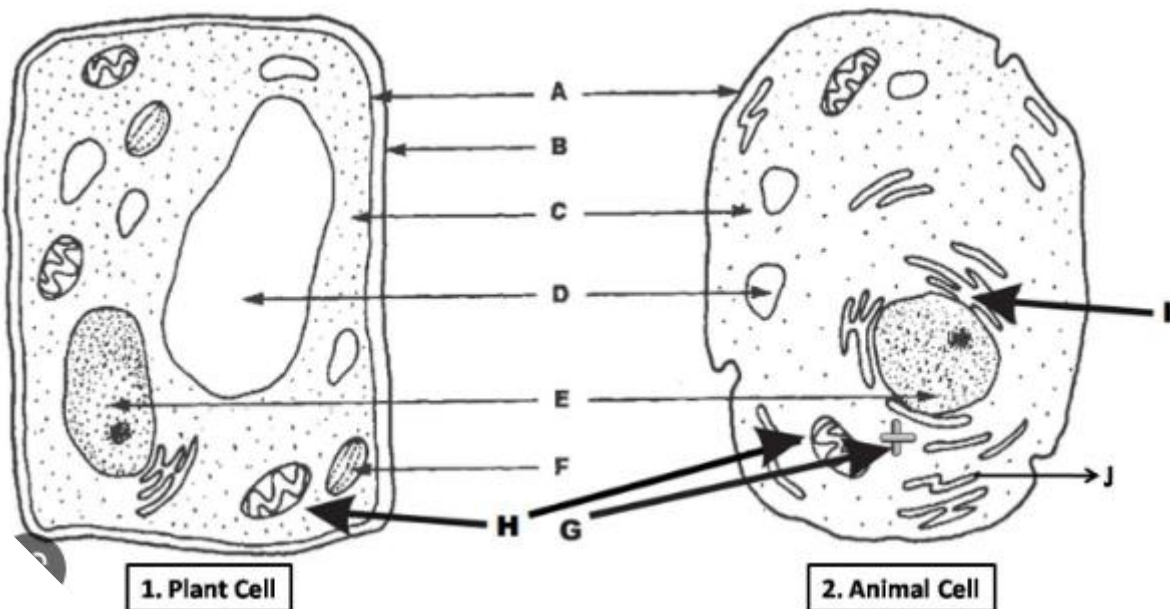
Ecosystem includes all of the living things (plants, animals and organisms) in a given area, interacting with each other, and also with their non-living environments (weather, earth, sun, soil, climate, atmosphere).

5. What is the difference between mass and weight?

- Mass is simply the measure of the amount of matter in a body.
- Weight is the measure of the amount of force acting on a mass due to acceleration due to gravity.

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

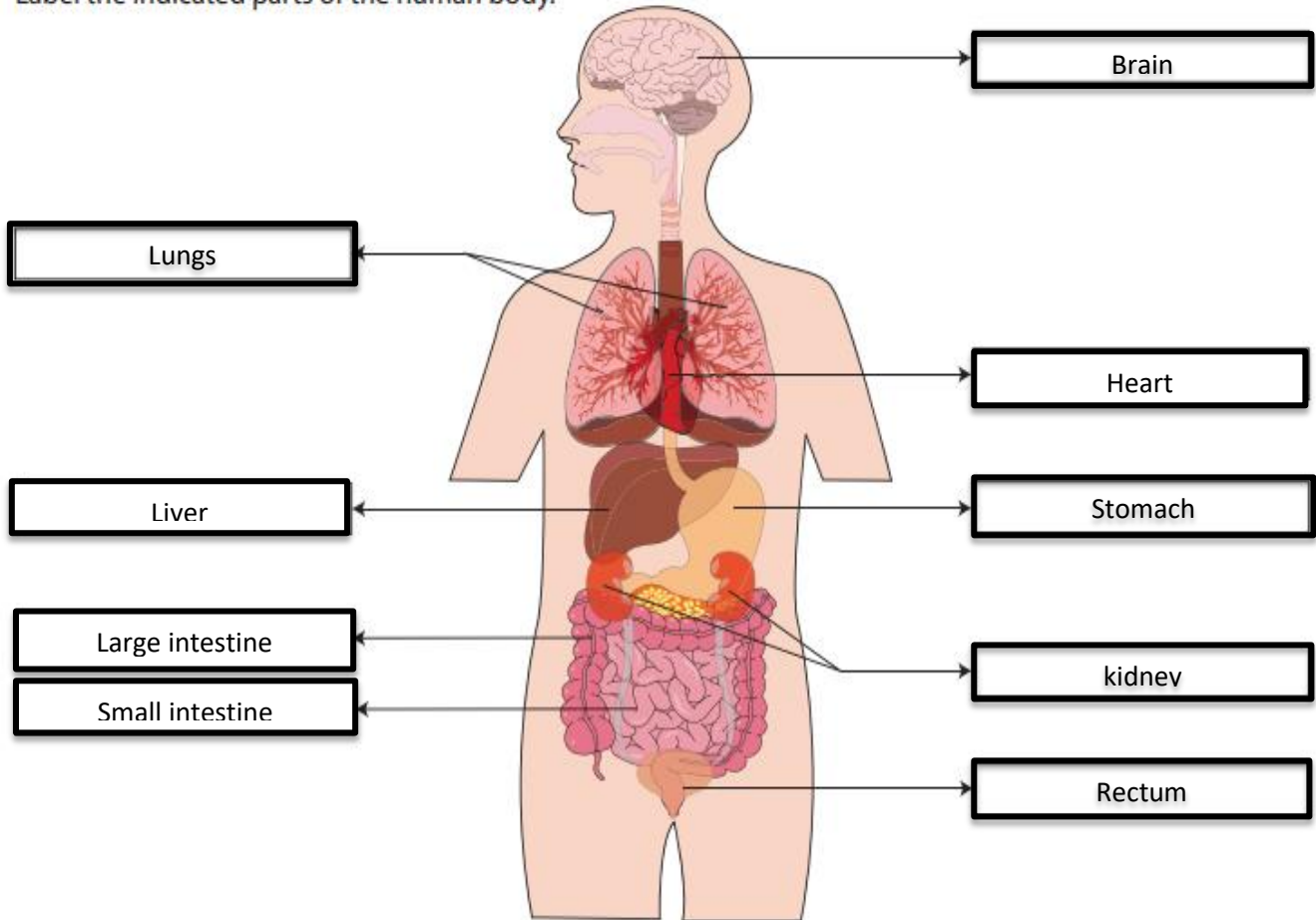
1.








- A. Cell membrane
- B. Cell wall
- C. Cytoplasm
- D. Vacuole
- E. Nucleus
- F. Chloroplast

2.

Label the indicated parts of the human body.



3. Seeds are dispersed by different methods.
- Complete the table.

| seed   | dispersed by  |
|--|---|
| <br>cherry        | <div style="border: 1px solid gray; padding: 5px; width: fit-content; margin: auto;">Animal dispersal</div> |
| <br>dandelion     | Wind dispersal<br>.....   |
| <br>maple        | <div style="border: 1px solid gray; padding: 5px; width: fit-content; margin: auto;">Wind dispersal</div>   |
| <br>sandbur     | Animal dispersal<br>.....   |
| <br>witch hazel | <div style="border: 1px solid gray; padding: 5px; width: fit-content; margin: auto;">Wind dispersal</div>   |

**(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 Fertilisation 2 pollination

**4. Acetone is a solvent.**

It has a low boiling point and evaporates easily.

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

The liquid part of a solution is called solvent or liquid in which solute dissolves.

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

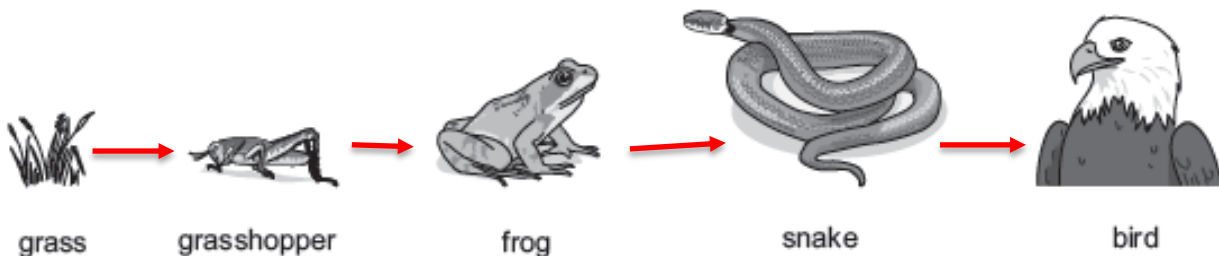
Boiling point is the ..... **temperature** ..... at which a ..... **liquid** .....  
becomes a ..... **gas** .....

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

Explain why.

Because it cannot be undone.

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



i) Make arrow to show transfer of energy.

ii) Name any two predators from organisms given above.

Frog/snake/bird

i) Name any two preys from organisms given above.

Grasshopper/frog/snake