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## **SECTION 1**

### **Questions 1-10**

Complete the form below.

Write **NO MORE THAN TWO WORDS AND/OR A NUMBER** for each answer.

## ***Pinder's Animal Park***

*Example*

Enquiries about **0** *temporary* work

### **Personal Details**

Name: Jane **1** \_\_\_\_\_  
Address: **2** \_\_\_\_\_ Exeter  
Telephone number: 07792430921  
Availability: Can start work on **3** \_\_\_\_\_

### **Work details**

Preferred type of work: Assistant **4** \_\_\_\_\_  
Relevant skills: Familiar with kitchen **5** \_\_\_\_\_  
Relevant qualifications: A **6** \_\_\_\_\_ certificate  
Training required: A **7** \_\_\_\_\_ course

### **Referee**

Name: Dr. Ruth Price  
Position: **8** \_\_\_\_\_  
Phone number: **9** \_\_\_\_\_  
Other: Applicant has a form of **10** \_\_\_\_\_

## **SECTION 2**

### **Questions 11-15**

*Choose the correct answer, A, B or C.*

#### **Tamerton Centre**

- 11** The Tamerton Centre was set up in order to encourage people  
A to enjoy being in the countryside.  
B to help conserve the countryside.  
C to learn more about the countryside.
- 12** Last year's group said that the course  
A built their self esteem.  
B taught them lots of new skills.  
C made them fitter and stronger.
- 13** For the speaker, what's the most special feature of the course?  
A You can choose which activities you do.  
B There's such a wide variety of activities.  
C You can become an expert in new activities.
- 14** The speaker advises people to bring  
A their own board games.  
B extra table tennis equipment.  
C a selection of films on DVD.
- 15** Bed-time is strictly enforced because  
A it's a way to reduce bad behaviour.  
B tiredness can lead to accidents.  
C it makes it easy to check everyone's in.

### **Questions 16-20**

*What rules apply to taking different objects to the Centre?*

*Match each object with the correct rule, A-C.*

*Write the correct letter, A-C.*

#### **Objects**

- 16** Electrical equipment  
**17** Mobile phone  
**18** Sun cream  
**19** Aerosol deodorant  
**20** Towel

#### **Rules**

- A** You **MUST** take this  
**B** You **CAN** take this, if you wish  
**C** You must **NOT** take this

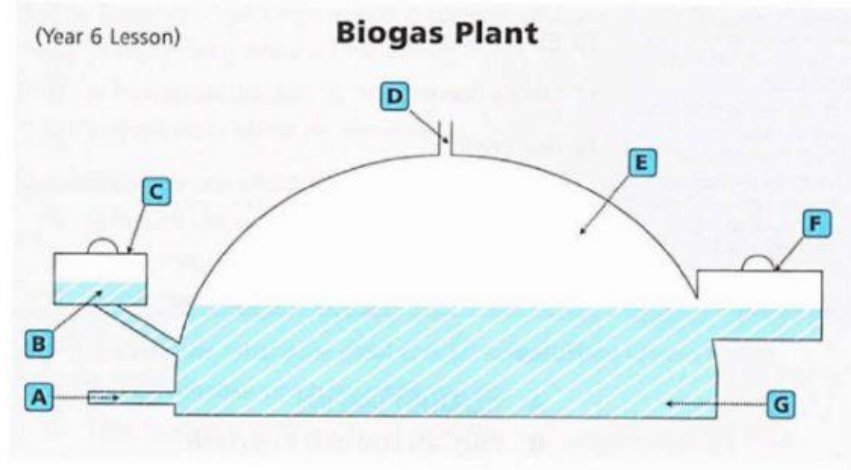
### SECTION 3

#### Questions 21-26

Label the diagram below.

Write the correct letter, **A-G**, next to questions 21-25.

- 21 Waste container
- 22 Slurry
- 23 Water inlet
- 24 Gas
- 25 Overflow tank



#### Questions 26-30

Complete the flow chart below.

Choose **FIVE** answers from the box and write the correct letter, **A-G**, next to questions 26-30.

<b>LESSON OUTLINE YEAR THREE</b> <b>TOPIC: ENERGY</b> <i>ACTIVITIES</i>
<i>Teacher:</i> Introduce word <i>Pupils:</i> look and listen
↓
<i>Teacher:</i> 26 _____ <i>Pupils:</i> look and listen
↓
<i>Teacher:</i> Present question <i>Pupils:</i> respond
↓
<i>Teacher:</i> 27 _____ <i>Pupils:</i> 28 _____ and expand
↓
<i>Teacher:</i> Display pictures <i>Pupils:</i> 29 _____
↓
<i>Teacher:</i> 30 _____ <i>Pupils:</i> write
↓
<i>Teacher:</i> Monitor pupils

- A** Identify sequence.
- B** Ask questions.
- C** Copy.
- D** Demonstrate meaning.
- E** Distribute worksheet.
- F** Draw pictures.
- G** Present sentences.

## **SECTION 4**

### **Questions 31-40**

Complete the notes below.

Write **NO MORE THAN TWO WORDS** for each answer.

## **Creating artificial gills**

### **Background**

- Taking in oxygen; mammals - lungs; fish - gills
- Long-held dreams - humans swimming underwater without oxygen tanks
- Oxygen tanks considered too **31** \_\_\_\_\_ and large
- Attempts to extract oxygen directly from water
- 1960s - prediction that humans would have gills added by **32** \_\_\_\_\_
- Ideas for artificial gills were inspired by research on
  - ✓ fish gills
  - ✓ fish swim bladders
  - ✓ animals without gills - especially bubbles used by **33** \_\_\_\_\_

### **Building a simple artificial gill**

- Make a watertight box of a material which lets **34** \_\_\_\_\_ pass through
- Fill with air and submerge in water
- Important that the diver and the water keep **35** \_\_\_\_\_
- The gill has to have a large **36** \_\_\_\_\_
- Designers often use a network of small **37** \_\_\_\_\_ on their gill
- Main limitation - problems caused by increased **38** \_\_\_\_\_ in deeper water

### **Other applications**

- Supplying oxygen for use on **39** \_\_\_\_\_
- Powering **40** \_\_\_\_\_ cells for driving machinery underwater