Description, Analysis and Evaluation EXAMPLE

Aim: To support students in their understanding of how description, analysis and evaluation are used in academic writing.
Time: 90 minutes & homework task.
Delivery: This lesson can be delivered face-to-face or online. For online delivery, each worksheet could be placed in a class document on OneDrive.

Lead in
- Distribute **worksheet 1.** Students complete **task 1**: compare the two paragraphs.
- Feedback: nominate a student to answer.
- Students complete **tasks 2&3:** definitions of key terms and identifying language.
- Feedback[1]: distribute or project **worksheet 1 tasks 2&3** ANSWERS.
- Feedback[2]: distribute or project the **writing criteria** for your course if you have one. Point out where analysis and evaluation are assessed (Task?).

Language Review
- Distribute the language review. Students read and ask questions if clarity is needed.

Guided Practice
- Distribute **worksheet 2.** Students complete **tasks 1&2**: sentence level analysis and gap fill.
- Feedback: distribute, project or go through **worksheet 2 tasks 1&2** ANSWERS.
- Distribute **worksheet 3.**
- Students complete **tasks 1-3** individually or in pairs.
- Feedback: distribute or project **worksheet 3 tasks 1-3** ANSWERS.
- Distribute **worksheet 4.** Look at example together as a class.
- Students complete **tasks 1-6** individually or in pairs.
- Feedback: distribute, project or go through **worksheet 4 tasks 1-6** ANSWERS.

Freer Practice
- Distribute **worksheet 5.** Students complete **task 1**: writing a paragraph.
- Feedback[1]: students use the peer feedback form to check their partner's work **(Task 2).**
- Feedback[2]: Students compare their paragraphs **(Task 3)** with the SUGGESTED ANSWER.

Homework
- **Worksheet 6 task 1:** students select, research and choose an article related to their studies. They read through and highlight language connected to description, analysis and evaluation. They then copy the new phrases into their vocabulary books.
- Feedback options:
  i. Teachers take in and mark. Use our error correction code:
   www.academic- englishuk.com/correction-code
  ii. Students do peer feedback. Use the included **checklist**.

Worksheet 1

Task 1

- Read the two paragraphs on smart home technology. How do they differ? Tell your partner.

Paragraph A
Smart home technology can take many forms, from controlling the lighting and ▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨ of a fridge. Most current smart homes rely on retro-fitting, which is the process of adding ▨▨▨▨▨▨▨▨▨▨▨▨▨▨ property. However, new homes are being built with the additional sensors and systems already ▨▨▨▨▨▨▨▨▨▨▨▨ and applications continues to grow rapidly.
Paragraph B
Smart home technology can take many forms, from controlling the lighting and temperature of a room to ▨▨▨▨▨▨▨▨▨▨▨▨▨ homes rely on retro-fitting, which is the process of adding home automation features to an existing property and can ▨▨▨▨▨▨▨▨▨▨▨▨▨ are being built with the additional sensors and systems already installed. However, as the ▨▨▨▨▨▨▨▨▨▨▨▨▨▨ to grow rapidly, it has given rise to compatibility and connectivity issues. As a result, the focus should now shift to ▨▨▨▨▨▨▨▨▨▨▨▨▨.

Task 2

- Academic writing needs to include description, analysis and evaluation. Do you understand the difference between these three terms? Match the terms with the definitions, and then compare with your partner.

i.	Description	a.	To make judgements about the value of information.
ii.	Analysis	b.	▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨▨
iii.	Evaluation	c.	To make a methodical and detailed examination.

i.		ii.		iii.	

Task 3

- Now that you understand the three terms, highlight paragraph B as follows: description, analysis, evaluation. When you've finished, check with your partner and then with your teacher.

Language Review

In order to fulfil the requirements of academic study, students need to demonstrate that they are able to incorporate description, analysis and evaluation into their work. This is done through asking a range of different questions.

Description Descriptive writing involves answering what, who, when and where questions.	
Functions	**Examples**
- Giving definitions - Stating facts - Explaining theories - Listing details - Providing information	*Water consists of minerals such as magnesium, calcium and potassium.* *Classical conditioning refers to the process of learning through association.*

Analysis Analytical writing involves answering how and why questions.	
Functions	**Examples**
- Comparing & contrasting - Judging strengths & weaknesses - Looking at causes & effects - Categorising - Providing reasons	*Research suggests that more than 1.5mg of vitamin A daily could lead to an increased risk of osteoporosis, particularly in older women.* *Economic systems can be divided into four main types: free market, command, traditional and mixed.*

Evaluation Evaluative writing involves answering what if, so what and what next questions.	
Functions	**Examples**
- Considering implications - Offering solutions - Making recommendations - Drawing conclusions - Assessing credibility of sources	*Therefore, the 15% increase in smart speaker sales suggests that widespread adoption of these devices in the UK is only a matter of time.* *Thus, due to these ongoing safety hazards, it is unlikely that driverless cars will be a prominent feature on motorways and main roads in 2021.*

Worksheet 2

Work through tasks 1 and 2 and compare with a partner when you've finished.

Task 1

- Read the following sentences and identify whether they are description [D], analysis [A] or evaluation [E].

1. One suggestion proposed in this paper is that the only way to control AI is to ensure that its values are our values. [   ]
2. Bioengineering is the ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ medicine and biology for the enhancement of human health. [   ]
3. The main issue with carbon capture ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ with water and causes the oceans to become too acidic for marine life. [   ]
4. The regular movement of ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ another and back again is known as migration. [   ]
5. Despite initial success in treating bacterial ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ ineffective due to antimicrobial resistance. [   ]

Task 2

- Complete the gaps in the sentences with language from the box.

1. this essay suggests that	2. one major drawback	3. is defined as
	4. can be categorised into	5. compared to

1. _____ Zoom, Microsoft Teams is cheaper and has better capacity.

2. _____ ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ could

   pose a great risk to the investor.

3. The boundary layer _____ a thin ▓▓▓▓▓▓▓▓▓▓▓▓▓

   with a surface like an aeroplane wing.

4. Fats _____ four main ▓▓▓▓▓▓▓▓▓▓▓▓▓▓,

   polyunsaturated and trans.

5. _____ with ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓ take

   biological factors such as high or low levels of serotonin or dopamine into account.

Worksheet 3: charts, graphs and tables

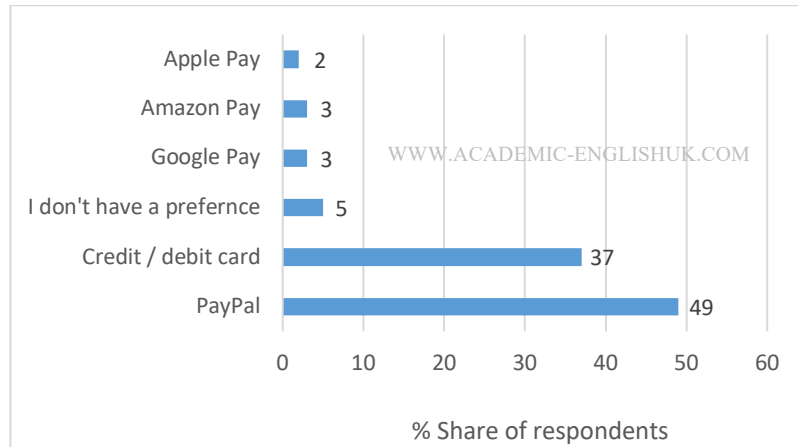**Task 1**

- Look at the bar chart and answer the questions.

Fig. 1. Online payment methods in the UK in 2019 (adapted from Statistica, 2021).

Description

i.	What does the graph show?
ii.	Which ▒▒▒▒▒▒▒ to?
iii.	Which year was the data collected?

Analysis

i.	Which ▒▒▒▒▒▒▒ significant?
ii.	How do the findings compare?
iii.	What is the ▒▒▒▒▒▒▒?

Evaluation

i.	Will the findings ▒▒▒▒▒▒▒?
ii.	How will the findings change in the future?
iii.	What's your ▒▒▒▒▒▒▒ mentioned?

Task 2

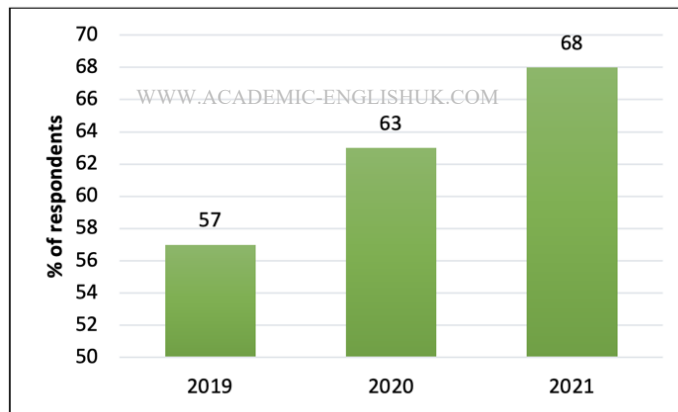- Use the information in the bar chart to complete the sentences.

Fig. 2. The perception of the benefits of voice banking in the US (adapted from insider intelligence, 2021).

Description

Figure 2 shows…

Analysis

The findings illustrate…

The reason for the increase…

Evaluation

This trend is set to…

Task 3

- Describe, analyse and evaluate the information in the table.

Table 1: Nutritional information about different types of milk in the USA

NUTRIENTS IN ONE CUP OF ...	WHOLE MILK	REDUCED FAT (2%) MILK	SOY MILK BEVERAGE *	ALMOND MILK BEVERAGE *	COCONUT MILK BEVERAGE *
CALORIES	146 g	122 g	110 g	60 g	70 g
FAT	8 g	5 g	4.5 g	2.5 g	4.5 g
CARBS	11 g	11 g	9 g	8 g	8 g
PROTEIN	8 g	8 g	8 g	1 g	NONE
CALCIUM	28%	28%	45%	45%	10%

SOURCE: USDA   * ORIGINAL VERSION OF PRODUCT   AARP

(adapted from AARP, 2017).

Description

Analysis

Evaluation

Worksheet 4: quotations

- Analyse and evaluate the quote by David Attenborough (2021) for the UN COP 26 summit.

Quote: "The problems that await the world in the next five to ten years because of climate change are greater than the coronavirus pandemic".

Example answer
What the broadcaster and natural historian means in his quote is that as all nations have witnessed the devasting impact of the coronavirus pandemic, and the warning that climate change will have a far more catastrophic effect on the planet, it is now time for countries to come together to question the current economic models and set new targets for reducing global emissions (analysis). This is vital so that the biodiversity of the planet can be protected (evaluation).

Task 1
- Analyse and evaluate the quote by Janini Murallidharan (2021) from [redacted].

Quote: "Our present work demonstrates that [redacted] surfaces is possible."

Task 2
- Analyse and evaluate the quote by Anne S. Meyer (2021), [redacted] at University of Rochester.

Quote: "[redacted] to be an effective technology for fabricating *living materials that have many environmental and other benefits."*

Task 3
- Analyse and evaluate the quote by [redacted] (2021), Centre for Cognitive Science at TU Darmstadt.

Quote: "*AdaptiFont* therefore [redacted] for an individual dynamically and continuously while reading, which maximizes the reading speed at the time of use."

Task 4

- Analyse and evaluate the quote by M. Kit Delgado (2021), Assistant Professor of Emergency ████████████████████████████████████.

Quote: *"Given how beneficial* ███████████████████████████████████ *to public health, our findings suggest that oversight or regulation would be valuable".*

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Task 5

- Analyse and evaluate the quote by Eero Siivola (2021), first author of the 'Qualifying drug ███████████████████████████████████ processes' study at Aalto University.

Quote: *"In drug modelling, if we* ███████████████████████████████ *matters, we might end up giving too large of doses."*

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Task 6

- Analyse and evaluate the quote by ██ Media Effects Research Laboratory at Penn State University.

Quote: *"When an AI system recognizes a* ████████████████████████████████████*, echoing larger concerns with AI in society."*

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Worksheet 5: Freer Practice

Task 1

- You are going to write a paragraph on wearables with a partner. Spend ten minutes on planning and then write between 100-150 words. Include description, analysis and evaluation.

Write your paragraph here…

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Task 2

- Swap paragraphs with another pair. Use the checklist below to give them some feedback.

Have they…?	Yes / No / Not Sure
written a well-organised paragraph?	
defined their key terms clearly?	
analysed the key information?	
used accurate grammar?	

Task 3

- Make any necessary changes and then ask your teacher for the suggested answer. Read the paragraph and discuss with your partner what you would do differently next time.

Worksheet 6: Freer Practice or Homework

Task 1

- Find an ░░░░░░░░░░░░░░░░░░░░░░░░░░░░░░░ and highlight the description, analysis and evaluation. What language has been used? Copy it into your notebook.

Task 2

- Select a topic from your subject ░░░░░░░░░░░░░░░░░░░░░░░░░░░░░░ attention to what you have learnt in the session.

Write your paragraph here…

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Description, Analysis and Evaluation ANSWERS

Worksheet 1
Task 2

i.	Description	a.	To make judgements about the value of information.
ii.	Analysis	b.	
iii.	Evaluation	c.	To make a methodical and detailed examination.

i.	*b*	ii.	*c*	iii.	*a*

Task 3
*Description * Analysis *Evaluation
Smart home technology can take many forms, from controlling the lighting and temperature of a room to monitoring the contents of a fridge. As most current smart homes rely on retro-fitting, which is the process of…….

ALL ANSWERS INCLUDED IN PAID VERSION…