

PRIMED

Student worksheet

Year

10



HASS



Student worksheet 1.1

Vocabulary

Word	Definition
Agribusiness	
Competitiveness	
Constraints	
Distributors	
Exporters	
Innovation	
Inputs	
Inventory	
Investment	
Investors	
Market drivers	
Market share	
Marketers	
Marketing strategies	
Opportunities	
Outputs	
Primary Industry	
Processes	

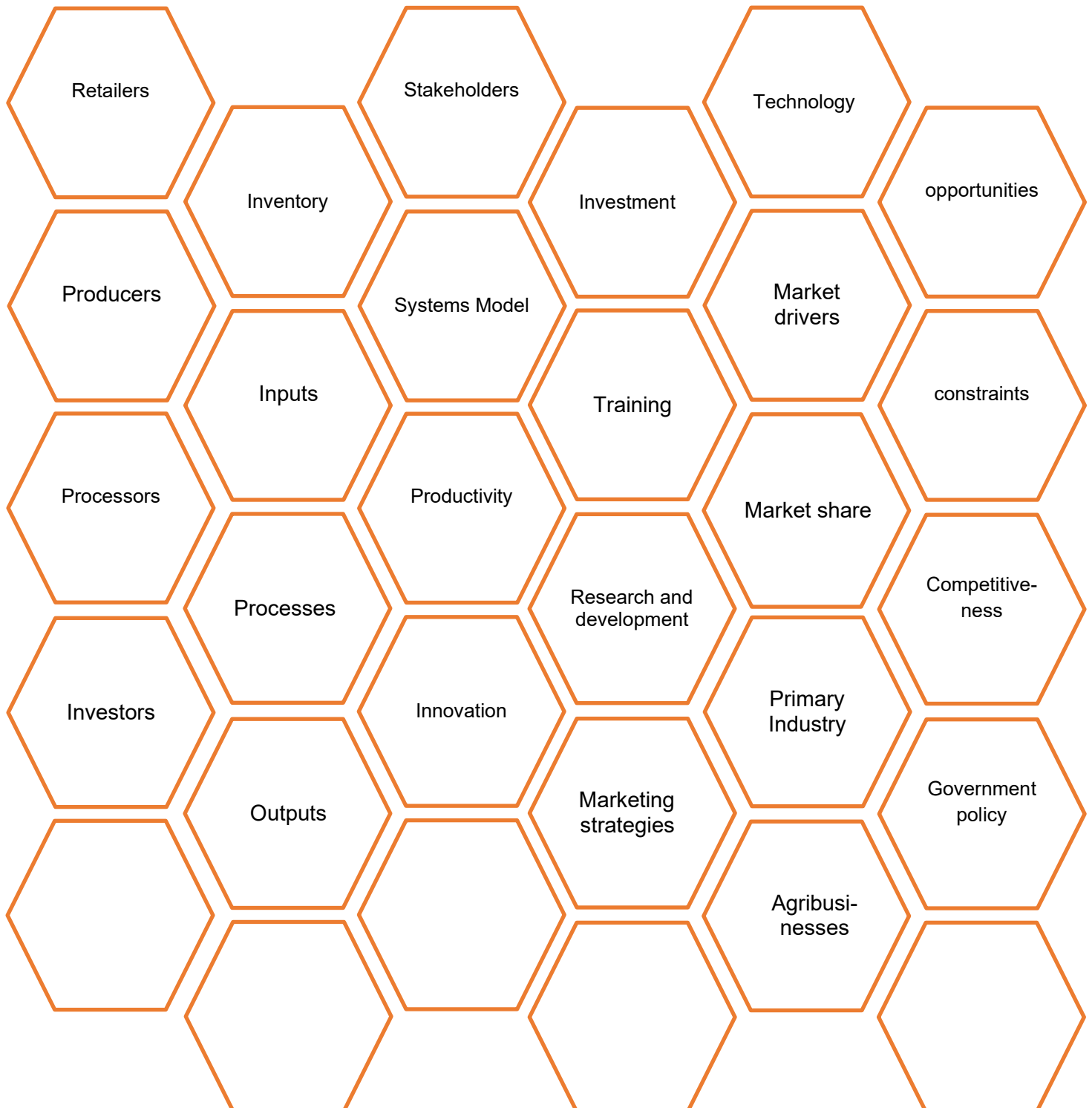
Processors	
Producers	
Productivity	
Research and development	
Retailers	
Stakeholders	
Systems Model	
Technology	
Training	

Student worksheet 1.2

Hexagonal thinking

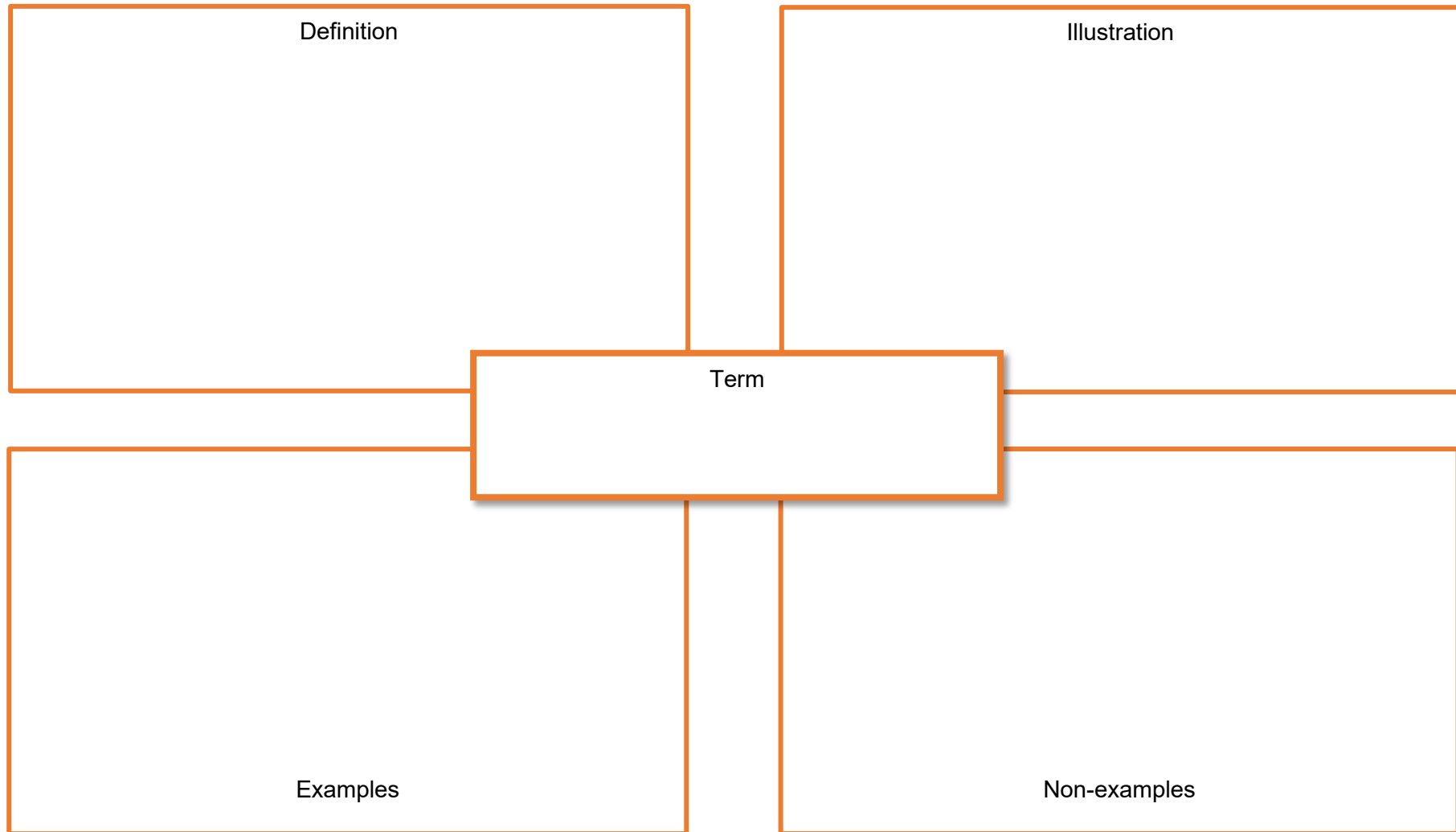
Use the terms listed to demonstrate how the elements of an agribusiness system are connected.

- 1) Cut out the hexagons and arrange on a large piece of paper
- 2) Draw lines between the hexagons and explain the connections you have made.



Student worksheet 1.3

Frayer model



Student worksheet 2.1

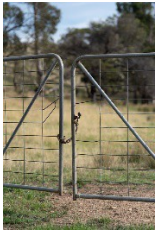




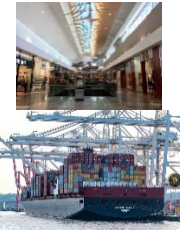
Businesses associated with the supply chain

YOUR TASK:

Find examples of the types of businesses and careers associated with each element of the supply chain.

Choose one example and use the inquiry approach to investigate a business or a career in detail. Present a summary of your findings.

Note: if you are researching a business, make sure you include the inputs, processes and outputs required.

PRIMARY PRODUCTION	DISTRIBUTION AND STORAGE	PROCESSING STAGE 1	PROCESSING STAGE 2	DISTRIBUTION AND STORAGE	ACCESS
					
Farm gate	Transport Loading Storage Inventory	Grading Processing Cleaning Slaughter Packaging	Manufacturing Processing Transformation Wholesale	Transport Storage Distribution wholesale	Retail - Shops - Restaurants Exports

EXAMPLES	PRIMARY PRODUCTION	DISTRIBUTION AND STORAGE	PROCESSING STAGE 1	PROCESSING STAGE 2	DISTRIBUTION AND STORAGE	ACCESS	OTHER
Businesses	Sumich Group Amelia Park Wooleen Station	Sumich Group	Sumich Group	Fresh Food Industries Sticky Fingers	Sumich Group The Grocer Food Distributors	Sumich Group	Wooleen Station – accommodation
Careers	Farmer	Rural merchandise store worker	Processing Plant Manager	Laboratory Technician	Grains Trader	Chef	Research Agronomist Lawyer

Reference:

Student worksheet 2.1a

Using the inquiry approach for research

Step 1: Identify and understand what the task is asking you to do.

Underline the VERBS – what do you have to DO?

Highlight the CONTENT – what do you have to FIND OUT?

Step 2: Think about what you already know and jot down ideas.

Step 3: Develop a series of specific questions that will help guide your research and determine the information you need to locate.

Develop questions using WHO, WHAT, WHY, WHERE, WHEN and HOW as prompts.

Step 4: Locate appropriate sources of information.

The internet will be helpful, but can you also interview people working in primary industries in your location?

Step 5: Select relevant information from a range of sources.

Use a note-taking technique that suits your learning style to record relevant information.

Step 6: Record your references

Author Surname(s), Initial(s)	Year of publication	Chapter name	Title (<i>italics</i>)	Pages	Publisher	Place of publication

Author Surname(s), Initial(s)/Organisation	Title of video	Type of medium	Date published	URL	Date accessed/viewed

Author Surname(s), Initial(s)/Organisation	Year of publication	Title of webpage (<i>italics</i>)	Name of sponsor	URL	Date accessed/viewed

Step 7: Present the information in a format of your choice.

For example: poster, PPT, animation, talk, short film, one page summary, advertisement

Student worksheet 3.1

Primary Industry Plan 2020 – 2024 Strategic Initiatives

Requirements:

In your **expert** groups:

- 1) read the information regarding the strategic theme
- 2) jot down ideas to answer each question in the table below
- 3) discuss as a group and select the key points to include on the table

In your **home** groups:

- share your findings to complete the table

Strategic Initiative	What is the purpose of this strategy?	How does the government aim to achieve it?	How will it help primary industry businesses?
Strategic theme 1			
Strategic theme 2			
Strategic theme 3			
Strategic theme 4			
Strategic theme 5			

Student worksheet 4.1

Business case study

Step 1: Individual task

The QUESTIONER

Think of questions as you read the case study. Use some of the following starters to formulate your questions.

*What is? Why is? How is? What did? How did? What can? When can? How can?
Who/what would? Where/When would? What will? Where/when will? Who will?*

The SUMMARISER

Select the main points from the case study. Focus on how the business has improved productivity or responded to economic conditions.

The most important ideas are... The main idea is ... The ways in which ... The technology utilised is...

The PREDICTOR

Predict what the future holds for the business.

I think... I wonder... I imagine... I suppose... I predict...

Step 2: Group task

Describe the business.

Explain a strategy that the business has used to increase productivity or respond to economic conditions.

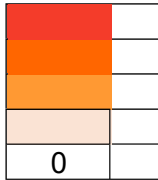
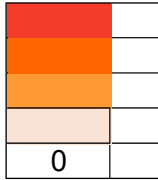
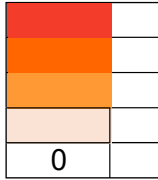
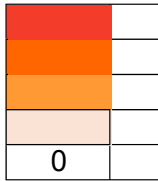
List the future challenges the business may encounter.


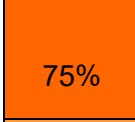
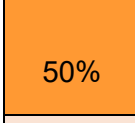
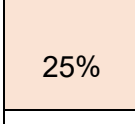
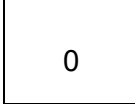
Suggest one way in which the business could change operations to improve productivity.

Student worksheet 4.2

Extent barometer

To what extent do the case studies demonstrate commitment to the UN Sustainable development goals?

Sustainable Development Goals	Evidence from the case studies	Rating
Goal 2: Zero hunger End hunger, achieve food security and improved nutrition and promote sustainable agriculture.		
Goal 9: Industry, innovation and infrastructure Build resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation.		
Goal 12: Responsible consumption and production. Ensure sustainable consumption and production patterns.		
Goal 13: Climate action Take urgent action to combat climate change and its impacts.		

Overall	
	Totally
	Fairly high
	Medium
	Low
	Not at all
General comments:	

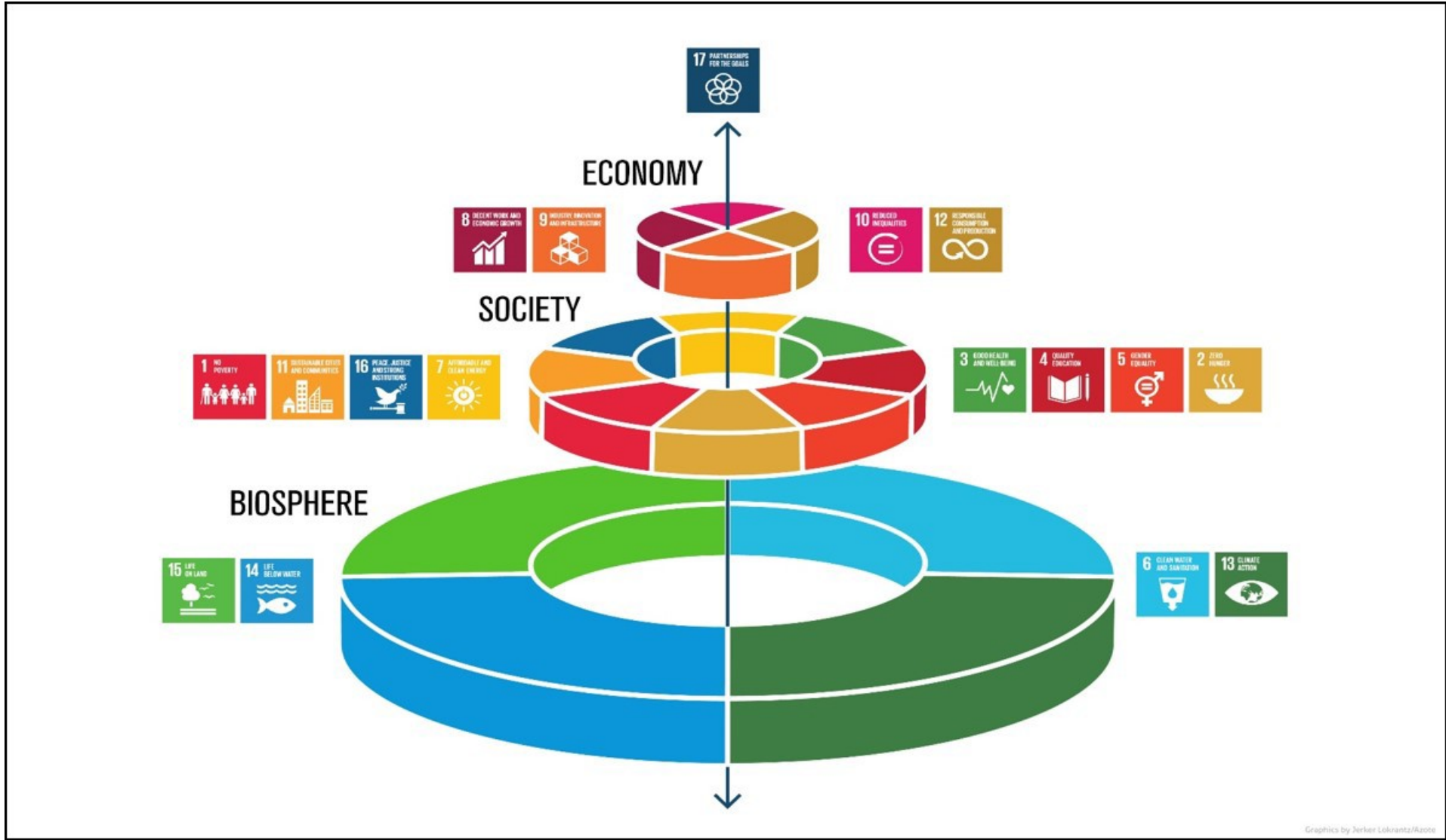


Image 4.2

Acknowledgements

Image

Image 4.2 'Biosphere – Society – Economy' by Azote Images for Stockholm Resilience Centre, Stockholm Resilience Centre, Stockholm University. Accessed at <<https://www.stockholmresilience.org/research/research-news/2016-06-14-how-food-connects-all-the-sdgs.html>> accessed 10 August 2021

Student worksheet 5.1

Mind Map

The WA Food Innovation Precinct Media Statement from the Western Australian Government. [Media Statements](#)

Works underway on WA Food Innovation Precinct

Thursday, 20 May 2021

- Construction begins on the WA Food Innovation Precinct - a \$21.7 million centre of excellence for food innovation at the Peel Business Park
- Precinct will be home to the McGowan Government's Peel Food Technology Facility
- Enterprise Support Program to provide \$3.85 million in grants to support industry in activating the precinct

Work is underway on the Western Australian Food Innovation Precinct (WAFIP), the State's centre of excellence for research, development and commercialisation of new ag-tech and value-added food.

The \$21.7 million precinct, located within the Peel Business Park in Nambeelup, will be an open access facility comprising research and development capabilities, an innovation centre and a production-warehouse.

It is intended to be a centre of excellence to enable commercial research and development, prototype and market testing of food and beverage products, and networking for WA food producers.

The McGowan Government has committed:

- \$10 million to develop the Peel Food Technology Facility within the precinct, a 600 square metre manufacturing space to allow producers to develop and test new value-added food products; and
- \$2.5 million towards a \$3.85 million Enterprise Support Program, in partnership with the Shire of Murray, to help activate the precinct.

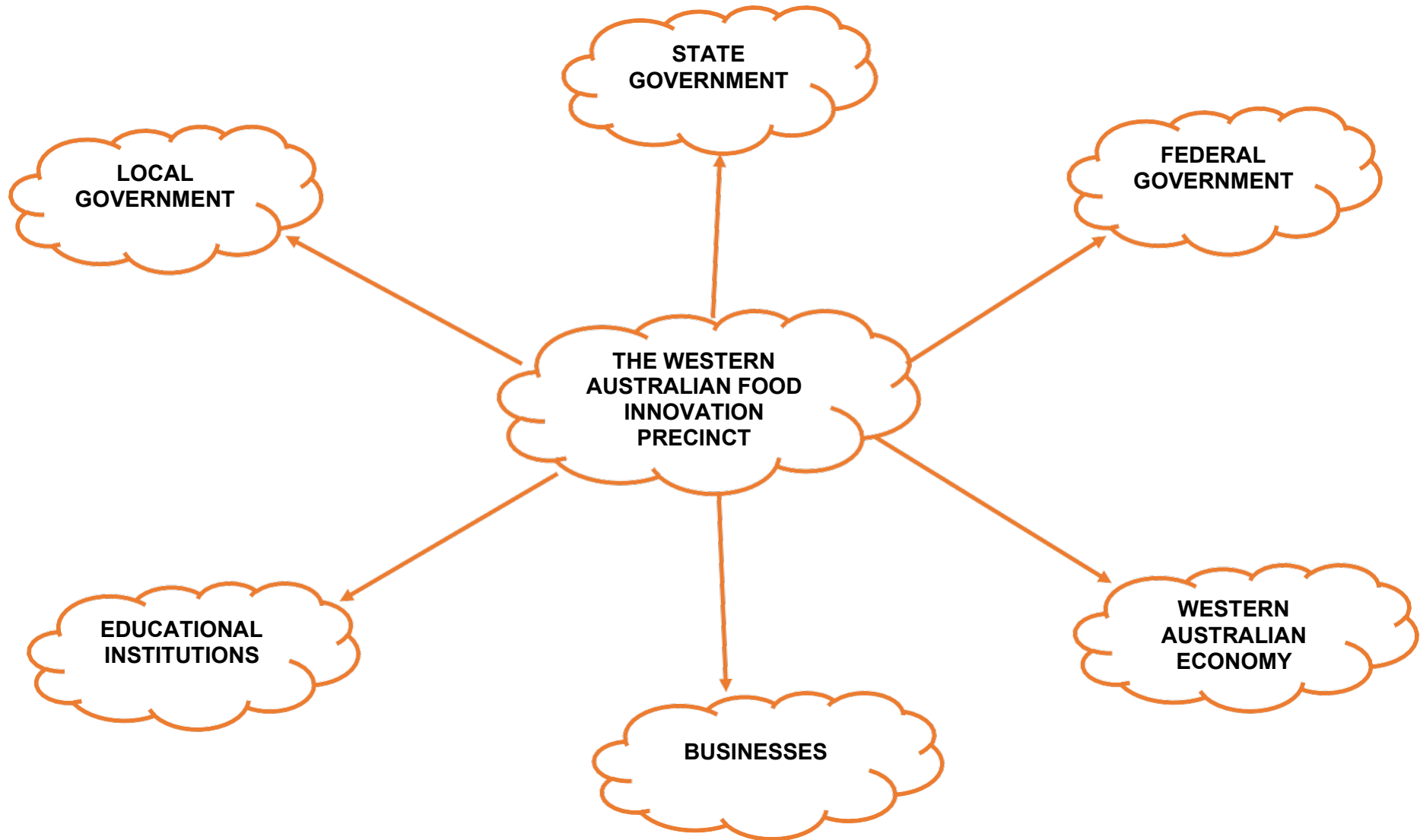
Through the Enterprise Support Program, grants will be available to businesses to support access to innovation opportunities, leading-edge research capabilities, incubation space and technologies through the WAFIP.

Other key tenants at the WAFIP include:

- Murdoch University, to run the Research and Development Facility and deliver a Food Science and Nutrition Bachelor of Science degree;
- GrowHub have signed a lease to operate the WAFIP Innovation Centre - a one-stop shop for agribusinesses and entrepreneurs featuring co-working spaces, consulting services and industry support; and
- Spinifex Brewery, to run the WAFIP warehousing facility and establish their brewery at the precinct.

The WAFIP is supported by funding from the Australian Government's Regional Growth Fund.

- 1) Using the information from the media release and the following resources, prepare a mind map to summarise the contributions to and benefit of this project for each of the stakeholders mentioned.
 - [Western Australian Food Innovation Precinct](#)
 - [Peel Business Park](#)
 - [WA Food Innovation Precinct to drive growth in premium value-added foods](#)
 - [Western Australian Food Innovation Precinct](#)
 - [WA Food Innovation Precinct](#)



2) Using your notes, consider the positive, negative and interesting aspects of this project for businesses in the following contexts.

Business context	Plus	Minus	Interesting
Local			
Western Australian			
National			
Global			

Acknowledgement

References

Government of Western Australia (20 May 2021) 'Works underway on WA Food Innovation Precinct' available <<https://www.mediastatements.wa.gov.au/Pages/McGowan/2021/05/Works-underway-on-WA-Food-Innovation-Precinct.aspx>> accessed 24 August 2021

Australian Government (n.d) 'Western Australian Food Innovation Precinct' available at: <<https://www.peel.wa.gov.au/transformpeel/wp-content/uploads/WAFIP-Flyer.pdf>> [PDF 3.4 MB] accessed 24 August 2021

DevelopmentWA (n.d) 'Peel Business Park' available at: <<https://developmentwa.com.au/projects/industrial-and-commercial/peel-business-park/overview>> accessed 24 August 2021

Future Food Systems (20 May 2021) 'WA Food Innovation Precinct to drive growth in premium value-added foods' available at: <<https://www.futurefoodsystems.com.au/new-wa-food-innovation-precinct-to-help-produce-premium-value-added-food-products-in-australias-west/>> accessed 24 August 2021

Shire of Murray (2021) 'Western Australian Food Innovation Precinct' available at: <<https://www.murray.wa.gov.au/Shire-and-Council/Projects/Western-Australian-Food-Innovation-Precinct>> accessed 24 August 2021

Government of Western Australia (n.d) 'WA Food Innovation Precinct' available at: <<https://www.peel.wa.gov.au/transformpeel/western-australian-food-innovation-precinct/>> accessed 24 August 2021