5 Writing up research: the Abstract

An Abstract (sometimes referred to as a synopsis) is a brief summary of a thesis or journal article. You will probably be given instructions by your institution or department on how long your thesis Abstract should be. If not, ask your supervisor for advice.

5.1 At the beginning of your thesis, you will probably need to include an Abstract. These typically include some or all of the following elements.

Purpose	Conclusion	Results	Introduction	Methods
		The state of the s		

- a What is the most likely order of these elements?
- b Although the Abstract will come near the beginning of your thesis, it may be the last section that you write. Why do you think this is?
- 5.2 Put the sentences in these Abstracts from journal articles in order. Then identify which elements from 5.1 are included in each abstract. Work individually and then compare answers in pairs.

Abstract 1

- A Students' pre-instructional ideas were investigated through the use of several student-supplied-response (SSR) surveys, which asked students to describe their ideas about topics such as what is a star, how is starlight created, how are stars formed, are all stars the same, and more.
- B The results from more than 2,200 responses suggest that although students often have some initial knowledge about stars, their knowledge is often incomplete or incorrect in important ways that could negatively impact instructional objectives.
- **c** This study investigated the beliefs about stars that students hold when they enter an undergraduate introductory astronomy course for nonscience majors.

Bailey, J. M. et al. (2009). College students' pre-instructional ideas about stars and star formation.

Astronomy Education Review, 8.

Abstract 2

- A Compared to their European counterparts, the American public has been characterized as relatively unknowledgeable and indifferent about genetically modified foods.
- **B** If these results are any indication, moral and ethical issues will dominate any discussion of foods derived from a mixture of animal and plant genes.
- However, participants tended to be familiar with debates surrounding benefits, risks and moral issues associated with agricultural biotechnology applications.
- **D** To evaluate these claims, six focus groups were held in three Arkansas cities to: (1) determine the extent of knowledge the public possesses about genetically modified foods; (2) detail perceived benefits and risks associated with agricultural biotechnology applications; and (3) explore lay perceptions about the genetic modification process itself.
- **E** Findings also showed that while participants were not overly concerned about combining genes between plants, they were concerned about inserting animal genes into plants.
- **F** Participants demonstrated partial knowledge, and tended to overestimate the number of genetically modified foods.

Knight, A. J. (2008). Perceptions, knowledge and ethical concerns with GM foods and GM process.

Public Understanding of Science, 18, 177–188.

5.3 a Complete this Abstract with phrases from the box. The expressions in bold are typical of particular Abstract elements.

analysis also demonstrated purpose of this work was to results showed these results it may be stated was conducted a significant role

The 1 communication of science and tecon people's decision to become de	determine if public chnology (PCST) has any influence edicated to scientific research.	Purpose
For this reason, a national survey disciplines 2	involving 852 researchers from all in Argentina.	Methods
vocation are many, and that, regarded or discipline, the greatest influscientific research is exerted by tea. The 4	tence on the decision to go into achers. that different manifestations of a audiovisual material, and activities play 5	Results
From 6 function of informing and formin influence in fostering scientific vo		Conclusions

Stekolschik, G. et al. (2010). Does the public communication of science influence scientific vocation?

Results of a national survey. Public Understanding of Science, 19, 625–637.



Study tip

Certain words and expressions are commonly used in particular elements of Abstracts. It can be useful to make a note of these to use in your own Abstracts.