

INTRODUCTION MODEL ©H. Glasman-Deal 2011

1	ESTABLISH THE SIGNIFICANCE OF YOUR FIELD PROVIDE BACKGROUND FACTS/INFORMATION PRESENT THE PROBLEM AREA/CURRENT RESEARCH FOCUS
2	PREVIOUS/CURRENT RESEARCH AND CONTRIBUTIONS
3	LOCATE A GAP IN THE RESEARCH DESCRIBE THE PROBLEM/PREDICTION YOU WILL ADDRESS
4	DESCRIBE THE PRESENT PAPER

INTRODUCTION VOCABULARY

ESTABLISHING SIGNIFICANCE

(a) basic issue	(a) remarkable variety	much study in recent years
(a) central problem	(a) significant increase	numerous investigations
(a) considerable number	(a) striking feature	of growing interest
(a) crucial issue	(a) useful method	often
(a) current problem	(a) vital aspect	play a key role (in)
(a) dramatic increase	(an) advantage	play a major part (in)
(an) essential element	attracted much attention	recent decades
(a) fundamental issue	during the past two decades	recent(ly)
(a) growth in popularity	(has) focused (on)	usually
(an) increasing number	for many years	well-documented
(a) key technique	frequent(ly)	well-known
(a) leading cause (of)	generally	widely

- **Numerous experiments have established that** ionising radiation causes
- Low-dose responses to radiation have **generated considerable recent research interest.**
- Analysis of change in the transportation sector is **vital** for two **important** reasons: ...
- Nanocrystalline oxide films **are attracting widespread interest** in fields such as...
- Heat transfer phenomena **play an important role in** the development of
- **Much research in recent years** has focused on carbon nanotubes.

VERBS USED TO REFER TO THE LITERATURE

achieve	collect	determine	focus on	note	recognise
address	compare	develop	formulate	observe	report
analyse	conclude	discover	generate	obtain	reveal
apply	conduct	discuss	identify	overcome	revise
argue	confirm	enhance	illustrate	perform	review
assess	consider	establish	implement	point out	show
assume	construct	estimate	imply	predict	solve
attempt	correlate	evaluate	improve	present	study
calculate	define	examine	incorporate	produce	support
carry out	demonstrate	expand	introduce	propose	suggest
choose	describe	explain	investigate	prove	survey
claim	design	extend	measure	provide	test
classify	detect	find	model	put forward	use

- This phenomenon **was demonstrated** by...
- Initial attempts **focused on identifying** the cause of...
- The algorithm **has been proposed** for these applications...
- The results on pair dispersion **were reported in**...
- Their study **suggested** a possible cause for...
- An alternative approach **was developed** by...

GAP/QUESTION/PROBLEM/CRITICISM SEE YOUR PowerPoint handout for vocabulary. This is often signaled by words such as *however, although, while, nevertheless, despite, but*.

- **Few researchers have addressed the problem** of...
- **There remains a need for** an efficient method that can ...
- **However**, light scattering techniques have been **largely unsuccessful** to date.
- **Unfortunately**, these methods do not always guarantee....
- **An alternative approach** is necessary.
- The function of these proteins **remains unclear**.
- These can be **time-consuming** and are often **technically difficult** to perform.
- **Although** this approach improves performance, it results in **an unacceptable** number of ...

THE PRESENT WORK

(to) attempt	(is) organized as follows:	(were/are) able to
(to) compare	(is) set out as follows:	accurate/accurately
(to) conclude	(is/are) presented in detail	effective/effectively
(to) describe	(our) approach	efficient/efficiently
(to) discuss	(the) present work	excellent results
(to) enable	(this) paper	innovation
(to) evaluate	(this) project	new
(to) facilitate	(this) report	novel method
(to) improve	(this) section	powerful
(to) manage to	(this) study	practical
(to) minimize	(this) work	simple
(to) offer	begin by/with	straightforward
(to) outline	close attention is paid to	successful
(to) predict	here	valuable
(to) present	overview	aim
(to) propose		goal
(to) provide		intention
(to) report		objective
(to) reveal		purpose
(to) succeed		

- **This study focuses on**...
- **The purpose of this study** was **to describe and examine**...
- **In order to** investigate the biological significance, we
- **In this paper we present** ...
- **New** correlations were developed with **excellent** results...
- **In the present study** we performed....
- **This paper introduces** a scheme which solves these problems
- **The approach we have used** aims to...
- **This study** investigated the use of
- **In this report** we test the hypothesis that