



Academic Writing Podcast 13 – Cause and Effect Part 2

Sample Text

Generating interest worldwide, a team of scientists from Russia's Arctic and Antarctic Research Institute recently drilled down nearly 3,800 meters to Antarctica's largest lake under the ice. The exploration of Lake Vostok, which **derives** its name from the Vostok Research Station, may **give rise to** discoveries that greatly **contribute to** our understanding of life. Scientists hope to find microbes dating back to the formation of the permanent ice shelf over Lake Vostok, which sealed off the lake for 20 million years and **inhibited** contamination of the site. There is theoretical **precedent for** organisms that could thrive under such cold and high-pressure conditions, and if they are found in Lake Vostok, microbes of this type may also be possible in similar conditions on other planets. The **effects of** the Lake Vostok research will **induce** further exploration in many scientific disciplines¹.

Glossary

1) to give rise to

- Online marketing can **give rise to** problems when website visitors interpret material posted as general information.
- Some energy transformations **give rise to** the fields of ocean thermal energy conversion.
- This case **gave rise to** the McClain doctrine.
- Cholera's impact **gave rise to** new social and religious discourses.

2) to contribute to something

to be one of the causes of something

- Losses caused by pathogens can **contribute significantly to** declines in crop production.
- Numerous factors **contribute to** the reef declines in temperate Asia.
- Numerous problems have **contributed to** the gap between public knowledge and policy action.
- Human error may have been a **contributing factor**.

¹ Sample text based on this article: <http://www.npr.org/templates/story/story.php?storyId=146570927>



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3) to generate interest

to intrigue, provoke, cause interest

- The project has already **generated considerable interest** among scientists, artists, and environmentally concerned citizens.
- The mixing of our various perspectives has **generated an interest** in how language socially constructs the content of history as discourse.
- Some forward products were developed, but they failed to **generate much interest**, and the market remained very illiquid.

4) to induce

to cause something; to persuade or influence somebody to do something

Does heavy oil pollution **induce** bacterial diseases?

Unemployment can **induce** dependence in persons who are blind.

Climate warming and sea-ice reduction have **induced** population responses among gentoo penguins and other seabirds.

5) to inhibit something

to prevent something from happening or make it happen more slowly or less frequently than normal

- A lack of oxygen may **inhibit** brain development in the unborn child.
- Financial considerations are **inhibiting** access to higher education.
- The findings **inhibit** us from telling much about the relationships among diary-keeping behaviour, gender, and happiness.

6) to derive from something

to come or develop from something

- The word 'politics' is **derived from** a Greek word meaning 'city'.
- Findings were **derived from** self-reported information.
- Values were **derived from** unadjusted and adjusted models with propensity score weighting.
- Everything fundamental in ethics **derives from** communal values, social goals and traditional practices.

7) a precedent for

a similar action or event that happened earlier

- There is **no precedent for** a disaster of this scale.
- There was **precedent for** such a hypothesis.
- There is no **precedent for** transforming an economy shaped largely by market forces into one shaped by the principles of ecology.



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8) the effect (impact) on the

a change that somebody/something causes in somebody/something else; a result

- There was no noticeable **effect on** consumption.
- The article is about the social **effects** of the evolution of their science.
- Abortion, underwired bras, smoking, shaving and deodorants do not have any **effect on** breast cancer risk.²

² Voices: Imanni Wilkes Burg and Grant Newman