

② 次の英文を読んで、設問に答えよ。

〈  Track 1~3〉

“Nuclear winter” is a scientific theory which tries to describe the worldwide
*meteorological and ecological consequences of a nuclear war. ⁽¹⁾The main result of
the theory is that the aftereffects of nuclear war may be as fatal for people and
plants and animals in countries remote from the war as for the populations of the
5 countries at war. The phrase “nuclear winter” stands for a combination of
radioactive and chemical pollution of the atmosphere with long-continued darkness
and cold, destroying impartially the innocent and the guilty, the rain forest and the
cornfield, the tiger and the rose.

When Carl Sagan and his colleagues began in 1983 to bring the possibilities of
10 nuclear winter dramatically to the attention of the public, they put professional
scientists like me into an ⁽²⁾awkward position. On the one hand, the professional
duty of a scientist confronted with a new and exciting theory is to try to prove it
wrong. That is the way science works. That is the way science stays honest. Every
new theory has to fight for its existence against intense and often bitter criticism.
15 Most new theories turn out to be wrong. The criticism is absolutely necessary to
clear them away and make room for better theories. ⁽³⁾The rare theory which
survives the criticism is strengthened and improved by it, and then gradually
becomes a part of the growing body of scientific knowledge. So, when the theory of
nuclear winter appeared on the scene, my instinctive reaction as a scientist was to
20 be (4), to look for the weak points and try to prove the theory wrong. That is
the (5) reaction to a new theory. We try to tear it apart as rapidly as possible.

On the other hand, nuclear winter is not just a theory. It is also a political
statement with profound moral implications. If people believe that our nuclear
weapons endanger not only our own existence and the existence of our enemies but
25 also the existence of human societies all over the planet, this belief will have
practical consequences. It will lend powerful support to those voices in all countries
who (6). It will increase the influence of those who consider nuclear weapons
to be disgusting and demand radical changes in present policies. So my instinct as a