

Assessment SAT	Test Reading	Cross-Test and Subscore Words in Context	Difficulty Medium	Primary Dimension Rhetoric	Secondary Dimension Analyzing word choice	Tertiary Dimension N/A	Passage Text Complexity Grades 11- CCR
--------------------------	------------------------	--	-----------------------------	---	--	-------------------------------------	--

Honey bees are hosts to the pathogenic large ectoparasitic mite *Varroa destructor* (*Varroa* mites). These mites feed on bee hemolymph (blood) and can kill bees directly or by increasing their susceptibility to secondary infection with fungi, bacteria or viruses. Little is known about the natural defenses that keep the mite infections under control.

Pyrethrums are a group of flowering plants which include *Chrysanthemum coccineum*, *Chrysanthemum cinerariifolium*, *Chrysanthemum marschalli*, and related species. These plants produce potent insecticides with anti-mite activity. The naturally occurring insecticides are known as pyrethrums. A synonym for the naturally occurring pyrethrums is pyrethrin and synthetic analogues of pyrethrums are known as pyrethroids. In fact, the human mite infestation known as scabies (*Sarcoptes scabiei*) is treated with a topical pyrethrum cream.

We suspect that the bees of commercial bee colonies which are fed mono-crops are nutritionally deficient. In particular, we postulate that the problem is a diet deficient in anti-mite toxins: pyrethrums, and possibly other nutrients which are inherent in such plants. Without, at least, intermittent feeding on the pyrethrum producing plants, bee colonies are susceptible to mite infestations which can become fatal either directly or due to a secondary infection of immunocompromised or nutritionally deficient bees. This secondary infection can be viral, bacterial or fungal and may be due to one or more pathogens. In addition, immunocompromised or nutritionally deficient bees may be further weakened when commercially produced insecticides are introduced into their hives by bee keepers in an effort to fight mite infestation. We further postulate that the proper dosage necessary to prevent mite infestation may be better left to the bees, who may seek out or avoid pyrethrum containing plants depending on the amount necessary to defend against mites and the amount already consumed by the bees, which in higher doses could be potentially toxic to them.

This hypothesis can best be tested by a trial wherein a small number of commercial honey bee colonies are offered a number of pyrethrum producing plants, as well as a typical bee food source such as clover, while controls are offered only the clover. Mites could then be introduced to each hive with note made as to the choice of the bees, and the effects of the mite parasites on the experimental colonies versus control colonies.

It might be beneficial to test wild-type honey bee colonies in this manner as well, in case there could be some genetic difference between them that affects the bees' preferences for pyrethrum producing flowers.

Pathogen Occurrence in Honey Bee Colonies With and Without Colony Collapse Disorder

Percent of colonies affected by pathogen

Pathogen	Colonies with colony collapse disorder (%)	Colonies without colony collapse disorder (%)
Viruses		
IAPV	83	5
KBV	100	76
Fungi		
Nosema apis	90	48
Nosema ceranae	100	81
All four pathogens	77	0

Adapted from Diana L. Cox-Foster et al., "A Metagenomic Survey of Microbes in Honey Bee Colony Collapse Disorder." ©2007 by American Association for the Advancement of Science.

The table above shows, for colonies with colony collapse disorder and for colonies without colony collapse disorder, the percent of colonies having honey bees infected by each of four pathogens and by all four pathogens together.

How do the words "can," "may," and "could" in the third paragraph (line, containing the text) help establish the tone of the paragraph?

Question Difficulty: Medium

- A. They create an optimistic tone that makes clear the authors are hopeful about the effects of their research on colony collapse disorder.
- B. They create a dubious tone that makes clear the authors do not have confidence in the usefulness of the research described.
- C. They create a tentative tone that makes clear the authors suspect but do not know that their hypothesis is correct.
- D. They create a critical tone that makes clear the authors are skeptical of claims that pyrethrums are inherent in mono-crops.

Assessment SAT	Test Reading	Cross-Test and Subscore Words in Context	Difficulty Easy	Primary Dimension Rhetoric	Secondary Dimension Analyzing word choice	Tertiary Dimension N/A	Passage Text Complexity Grades 13- 14
--------------------------	------------------------	--	---------------------------	---	--	-------------------------------------	---

In [the novel] *Pilgrim's Progress* the Man with the Muck Rake is set forth as the example of him whose vision is fixed on carnal instead of on spiritual things. Yet he also typifies the man who in this life consistently refuses to see aught that is lofty, and fixes his eyes with solemn intentness only on that which is vile and debasing. Now, it is very necessary that we should not flinch from seeing what is vile and debasing. There is filth on the floor, and it must be scraped up with the muck rake; and there are times and places where this service is the most needed of all the services that can be performed. But the man who never does anything else, who never thinks or speaks or writes, save of his feats with the muck rake, speedily becomes, not a help, . . . but one of the most potent forces for evil.

There are in the body politic, economic and social, many and grave evils, and there is urgent necessity for the sternest war upon them. There should be relentless exposure of and attack upon every evil man, whether politician or business man, every evil practice, whether in politics, in business, or in social life. I hail as a benefactor every writer or speaker, every man who, on the platform, or in a book, magazine, or newspaper, with merciless severity makes such attack, provided always that he in his turn remembers that the attack is of use only if it is absolutely truthful. The liar is no whit better than the thief, and if his mendacity takes the form of slander he may be worse than most thieves. It puts a premium upon knavery untruthfully to attack an honest man, or even with hysterical exaggeration to assail a bad man with untruth. An epidemic of indiscriminate assault upon character does not good, but very great harm. The soul of every scoundrel is gladdened whenever an honest man is assailed, or even when a scoundrel is untruthfully assailed.

Now, it is easy to twist out of shape what I have just said, easy to affect to misunderstand it, and, if it is slurred over in repetition, not difficult really to misunderstand it. Some persons are sincerely incapable of understanding that to denounce mud slinging does not mean the endorsement of whitewashing; and both the interested individuals who need whitewashing, and those others who practice mud slinging, like to encourage such confusion of ideas. One of the chief counts against those who make indiscriminate assault upon men in business or men in public life, is that they invite a reaction which is sure to tell powerfully in favor of the unscrupulous scoundrel who really ought to be attacked, who ought to be exposed, who ought, if possible, to be put in the penitentiary. . . .

Any excess is almost sure to invite a reaction; and, unfortunately, the reaction, instead of taking the form of punishment of those guilty of the excess, is very apt to take the form either of punishment of the unoffending or of giving immunity, and even strength, to offenders. The effort to make financial or political profit out of the destruction of character can only result in public calamity. Gross and reckless

assaults on character, whether on the stump or in newspaper, magazine, or book, create a morbid and vicious public sentiment, and at the same time act as a profound deterrent to able men of normal sensitiveness and tend to prevent them from entering the public service at any price.

As an instance in point, I may mention that one serious difficulty encountered in getting the right type of men to dig the Panama Canal is the certainty that they will be exposed, both without, and, I am sorry to say, sometimes within, Congress, to utterly reckless assaults on their character and capacity.

At the risk of repetition let me say again that my plea is not for immunity to, but for the most unsparing exposure of, the politician who betrays his trust, of the big business man who makes or spends his fortune in illegitimate or corrupt ways. There should be a resolute effort to hunt every such man out of the position he has disgraced. Expose the crime, and hunt down the criminal; but remember that even in the case of crime, if it is attacked in sensational, lurid, and untruthful fashion, the attack may do more damage to the public mind than the crime itself.

What main effect does the repetition of the word “every” in line, containing the text and {line:VH409076_4} have on the presentation of Roosevelt’s argument?

Question Difficulty: Easy

- A. It emphasizes the point that all wrongdoing should be condemned.
- B. It suggests a wish to appeal to the widest possible audience.
- C. It reinforces the notion that certain people are more likely than others to be involved in scandals.
- D. It conveys the sense that evil deeds have become widespread in the modern world.

Assessment SAT	Test Reading	Cross-Test and Subscore Words in Context	Difficulty Easy	Primary Dimension Rhetoric	Secondary Dimension Analyzing word choice	Tertiary Dimension N/A	Passage Text Complexity Grades 9- 10
--------------------------	------------------------	--	---------------------------	---	--	-------------------------------------	--

The Alcazar Restaurant was on Sheridan Road near Devon Avenue. It was long and narrow, with tables for two along the walls and tables for four down the middle. The decoration was art moderne, except for the series of murals depicting the four seasons, and the sick ferns in the front window. Lymie sat down at the second table from the cash register, and ordered his dinner. The history book, which he propped against the catsup and the glass sugar bowl, had been used by others before him. Blank pages front and back were filled in with maps, drawings, dates, comic cartoons, and organs of the body; also with names and messages no longer clear and never absolutely legible. On nearly every other page there was some marginal notation, either in ink or in very hard pencil. And unless someone had upset a glass of water, the marks on page 177 were from tears.

While Lymie read about the Peace of Paris, signed on the thirtieth of May, 1814, between France and the Allied powers, his right hand managed again and again to bring food up to his mouth. Sometimes he chewed, sometimes he swallowed whole the food that he had no idea he was eating. The Congress of Vienna met, with some allowance for delays, early in November of the same year, and all the powers engaged in the war on either side sent plenipotentiaries. It was by far the most splendid and important assembly ever convoked to discuss and determine the affairs of Europe. The Emperor of Russia, the King of Prussia, the Kings of Bavaria, Denmark, and Wurttemberg, all were present in person at the court of the Emperor Francis I in the Austrian capital. When Lymie put down his fork and began to count them off, one by one, on the fingers of his left hand, the waitress, whose name was Irma, thought he was through eating and tried to take his plate away. He stopped her. Prince Metternich (his right thumb) presided over the Congress, and Prince Talleyrand (the index finger) represented France.

A party of four, two men and two women, came into the restaurant, all talking at once, and took possession of the center table nearest Lymie. The women had shingled hair and short tight skirts which exposed the underside of their knees when they sat down. One of the women had the face of a young boy but disguised by one trick or another (rouge, lipstick, powder, wet bangs plastered against the high forehead, and a pair of long pendent earrings) to look like a woman of thirty-five, which as a matter of fact she was. The men were older. They laughed more than there seemed any occasion for, while they were deciding between soup and shrimp cocktail, and their laughter was too loud. But it was the women's voices, the terrible not quite sober pitch of the women's voices which caused Lymie to skim over two whole pages without knowing what was on them. Fortunately he realized this and went back. Otherwise he might never have known about the secret treaty concluded between England, France, and Austria, when the pretensions of Prussia and Russia, acting in concert, seemed to threaten a renewal of the attack. The results of the Congress were stated clearly at the bottom of page 67 and at the top of

page 68, but before Lymie got halfway through them, a coat that he recognized as his father's was hung on the hook next to his chair. Lymie closed the book and said, "I didn't think you were coming."

Time is probably no more unkind to sporting characters than it is to other people, but physical decay unsustained by respectability is somehow more noticeable. Mr. Peters' hair was turning gray and his scalp showed through on top. He had lost weight also; he no longer filled out his clothes the way he used to. His color was poor, and the flower had disappeared from his buttonhole. In its place was an American Legion button.

Apparently he himself was not aware that there had been any change. He straightened his tie self-consciously and when Irma handed him a menu, he gestured with it so that the two women at the next table would notice the diamond ring on the fourth finger of his right hand. Both of these things, and also the fact that his hands showed signs of the manicurist, one can blame on the young man who had his picture taken with a derby hat on the back of his head, and also sitting with a girl in the curve of the moon. The young man had never for one second deserted Mr. Peters. He was always there, tugging at Mr. Peters' elbow, making him do things that were not becoming in a man of forty-five.

The primary impression created by the narrator's description of Mr. Peters in line, containing the text is that he is

Question Difficulty: Easy

- A. healthy and fit.
- B. angry and menacing.
- C. nervous and hesitant.
- D. aging and shriveled.