

Name: _____ Class: _____

Scientists Reveal Three Keys to Happiness

By ABC News
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Several studies have worked towards revealing the key to happiness, however, a new study by Stephen and Rachel Kaplan reveals that there might actually be three keys to happiness. As you read, take notes on how nature affects people.

- [1] What would it take to make you really satisfied with your life? According to decades of research by a husband and wife team of psychologists at the University of Michigan, you need to put yourself in an environment that meets three basic human needs.

To make your way down the road to happiness you need to feel competent and believe that you can make a difference. You also need to understand what the heck is going on around you and have the opportunity to choose your own options.



"Nature Trail #2" by Chalkie_CC is licensed under CC BY-NC 2.0.

Before you start firing off all those e-mails about money, love, health and so on, give these folks a chance to explain. They arrived at their conclusions partly by showing people pictures of nature.

Picturing a Perfect Life

Stephen Kaplan, who is also a professor of electrical engineering and computer science in addition to being a psychologist, and his wife, Rachel Kaplan, professor of environment and behavior, started down this road decades ago during the horror that followed the assassination of President John F. Kennedy. What could have precipitated¹ such an unreasonable act of violence?

- [5] Could it be, they wondered, that violence could stem at least partly from an unhealthy environment?

"Some environments bring out the best in people," Stephen Kaplan says. "Others do exactly the opposite. How can you describe an environment that brings out the best in people?"

At that time there was no general consensus among psychologists as to what constituted a healthy environment. But the Kaplans were intrigued by one study that came out about that time suggesting that what people really liked in their lives was a "medium level of complexity."

"We thought that was very odd," Kaplan says, because both he and his wife believed that what people really needed in their lives was exposure to nature. So they set out to find if they were right.

1. **Precipitate (verb):** to cause something to happen suddenly

They collected a bunch of photos showing urban scenes in Detroit and scenes of nature. Strangely enough, the urban scenes were shot by an expert photographer and were much better in quality than the scenes of nature, which were shot by a mediocre² photographer after a dry, dull summer.

[10] Participants in the study were asked to indicate how much they liked each photo.

"With a single exception, every single nature picture was preferred over every single urban picture," Kaplan says. "The one exception was an urban park."

Yearning for Mystery

In the years since, they have repeated that study dozens of times, all over the world, with the same results. One exception is among teenagers who prefer the urban scenes with city lights and things to do over scenes of nature, but Kaplan says they grow out of that stage.

So, why does that tell us anything about what we need for satisfying lives? The answer lies not just in the photos, but in some of the details.

"One of the first things we realized is that even among nature pictures, there's some that people prefer very much to others," says Kaplan, who spoke for both he and his wife during the interview. "It turned out that those were the photos where you could learn more if you walked into the scene."

[15] A trail leading around a tree and disappearing in the distance beckons to the viewer to come in, look around, and learn something. That makes it a much more enticing photo.

"We hadn't realized that landscape architects had figured that out 50 years earlier," Kaplan says.

A picture with a little mystery is preferable because "people want to explore, and they want to find things out," he says. Conversely, if they can't understand what's going on, they become very angry. So the pictures told the story of a very basic need among all persons — the need to understand their world and pick their own options as they head on down that trail and around the tree.

Is Taking Control a Mistake?

But for that little adventure to be helpful, Kaplan says, a person needs to believe that his or her life can make a difference. Nothing is more irritating, or frustrating, than the feeling of helplessness, so if you want to make a difference you've got to take control, right?

Not necessarily, the Kaplans believe.

[20] Taking control sometimes can be a bad mistake.

"There's a tremendous number of times when people want things to be under control, but they don't want to control them. That's a tremendous responsibility," Kaplan says.

2. **Mediocre** (*adjective*): not very good

"So gradually we came to the realization that what people want to do is participate. The opposite of helplessness is being heard. It's playing a part. It's being engaged in the action. Not being ignored." Only then will it be possible for your life to make a difference.

But chances are you're going to be ignored anyway unless others see you as competent and effective, the third step on the Kaplan's road to self fulfillment. And once again, they concluded, nature can play a part.

In a series of studies, the couple demonstrated that an office window that overlooks a natural scene helps people relax, thus fighting off one of the primary threats to competence, mental fatigue. Both energy and job enthusiasm rose among people who had a chance to glance out the window occasionally and see something, even if it was only a single tree.

[25] Nature, the Kaplans suggest, is competency's greatest ally.

Natural Healing

It even helps when trying to deal with a potentially fatal illness. One of their studies involved cancer patients.

"The first thing they wanted to do when they got their diagnosis was take a ride in the country," Kaplan says.

The study found that spending 20 minutes outdoors each day helped the patients cope with the "mental fatigue" of dealing with all the issues that come along with the cancer.

But wouldn't a debilitating disease like cancer be so overwhelming that it would wipe out the three conditions the Kaplans feel are so important? Aren't things like health, love, and even an adequate income also extremely important?

[30] Of course, Kaplan says, but their findings lay the foundation for dealing with all those other issues.

You've got to feel competent, think you can make a difference, and understand what's going on to handle any crisis. And for starters, take a look out the window occasionally.

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Text-Dependent Questions

Directions: For the following questions, choose the best answer or respond in complete sentences.

1. PART A: Which of the following best identifies the text's main claim about happiness?
 - A. Without opportunities to engage in the natural world, it is extremely unlikely that a person will achieve happiness.
 - B. Happiness and satisfaction are possible when a person has the chance to make choices in an environment they feel comfortable navigating.
 - C. Humans require complete control over their environment and lives to achieve optimum happiness.
 - D. It is difficult to achieve the other two keys to happiness if a person doesn't feel like they are making a difference in the world.

2. PART B: Which detail from the text best supports the answer to Part A?
 - A. "To make your way down the road to happiness you need to feel competent and believe that you can make a difference. You also need to understand what the heck is going on around you and have the opportunity to choose your own options." (Paragraph 2)
 - B. "But the Kaplans were intrigued by one study that came out about that time suggesting that what people really liked in their lives was a 'medium level of complexity.'" (Paragraph 7)
 - C. "In a series of studies, the couple demonstrated that an office window that overlooks a natural scene helps people relax, thus fighting off one of the primary threats to competence, mental fatigue." (Paragraph 24)
 - D. "But wouldn't a debilitating disease like cancer be so overwhelming that it would wipe out the three conditions the Kaplans feel are so important?" (Paragraph 29)

3. Which statement best describes how the author introduces the findings from Kaplans' studies?
 - A. The author describes the Kaplans' expertise and the extensive support for their scientific research before introducing their findings.
 - B. The author anticipates that readers might not agree with the Kaplans' claims and acknowledges what readers might think leads to happiness.
 - C. The author encourages readers to express their disagreement with the Kaplans' study by contacting him via email.
 - D. The author explains how psychologists have pursued the question of happiness for a long time but have failed to find answers until now.

4. How does paragraph 9 contribute to the author's explanation of the Kaplans' studies?
 - A. It shows that the Kaplans' study was not conducted fairly.
 - B. It emphasizes how much people prefer nature over urban settings.
 - C. It proves that people prefer professional photos.
 - D. It shows how people are most interested in average photos.

5. How do the Kaplans support their claim about the positive effects of nature?

Discussion Questions

Directions: *Brainstorm your answers to the following questions in the space provided. Be prepared to share your original ideas in a class discussion.*

1. How do you feel when you look at nature or spend time in nature? Do you think it positively affects your mood? Why or why not?
2. In the context of the text, what do people gain when they interact with the natural world? Cite evidence from this text, your own experience, and other literature, art, or history in your answer.
3. In the context of the text, how can we achieve happiness? Do you think the Kaplans' keys to happiness apply to young people as much as older people? Why or why not?
4. In the context of the text, does money buy happiness? Do you think money plays an important role in the Kaplans' keys to happiness? Why or why not? Cite evidence from this text, your own experience, and other literature, art, or history in your answer.