

AI Review Quiz

Quiz Instructions

This quiz is based on the AI Module. If you will read the material as you take the quiz, this will be a simple review that will underscore the key points. Many questions have multiple fill in the blank answers. Fill in with a space between words and no punctuation.

Example: apple pear lemon lime

Question 1

Surely you can understand that if there is a way to create art for less expense, a developer or company might be tempted to try that. Artificial Intelligence (AI) art work can bypass much of the process to provide cheaper artworks at a click of a button. Some say that AI is unethical because in the process of learning how to make art, AI "scrapes" the digital world and this sometimes includes other artists work. It scrapes their work without

_____.

Question 2

So these are the major ethical problems and potentially legal issues:

1. AI Generators Learn From Images Without Artists' _____
2. Copyright Laws Against AI Generators Are Improving But Still _____
3. AI Generators Don't _____ or Give Credit to Artists
4. Artists Lose _____ Because People Turn to AI Generators

Question 3

Artificial intelligence, or AI, refers to developing and deploying computer systems and _____ that can perform tasks that humans would normally do. These computers are trained on large amounts of _____ that help them learn, reason, solve problems, and make decisions that can surpass human abilities. AI involves various technologies, such as machine learning, natural language processing, image generation, etc. They can adapt, learn, and automate tasks through data analysis, pattern recognition, and repetitive learning processes, allowing _____ to pass tasks off to computers. AI will likely lead to advancements in many areas, including health care, finance, transportation, and _____ areas such as web and graphic design.

Question 4

For an AI program to understand a wide range of prompts, it needs a large _____ of images (neural network) to work from. We're talking hundreds of _____ of images and their text descriptions. Training models _____ alt tags, captions, titles, and text descriptions from images on the internet. It's important to note that the _____ image doesn't come from the training data.

Question 5

As algorithms go through the training data, they search for _____ to improve their results and, during that process, build a multi-dimensional space that houses all of these data points. Let's take the *pink garden gnome* prompt and use it as an example. Within that space, the AI will place the _____ in one dimension, the color _____ in another, and a dimension for gardens. It will evaluate all the dimensions and save space amongst hundreds of dimensions for the output. This is called _____ space. The more descriptive words within the prompt, the more dimensions are required.

Question 6

Using the garden gnome prompt example, imagine millions of pictures of gnomes, gardens, and images containing the color pink. During the process, all _____ points are analyzed, then an image of a gnome is produced. Diffusion begins by adding a series of _____ to the image, gradually increasing the noise. This includes transforming the photo into a pink gnome or placing it in a garden. During a series of transformational steps, the image becomes more _____ from the original, resulting in a _____, generated image of a pink garden gnome.

Question 7

When creating art with artificial intelligence, some _____ considerations must be made. Legal questions are being presented regarding _____ infringement. There is no precedent, so there are no clear answers on how to proceed. Some platforms, such as [Adobe Firefly](#), have taken this into consideration. Their models were trained on _____ images, which should keep them out of legal hot water. Additionally, any image generated through Firefly is for entertainment purposes only. However, we anticipate that changing soon. Before committing to a platform, research how the models were _____ and gather as much information as possible. If you plan to use the art you create commercially, make sure your chosen platform supports that. Most platforms allow images to be used commercially as long as you sign up for a paid plan, but it's always best to double-check.

Question 8

The company behind popular art tool Stable Diffusion is facing accusations of _____ infringement from all sides, raising questions about the future of AI art

Question 9

AI art is inherently derivative, scraping the work of human artists for training data—but the question of how much influence constitutes copyright violation, and how to appropriately _____ creators, is still up for debate.

Question 10

AI art is inherently _____, scraping the work of human artists for training data—but the question of how much influence constitutes copyright violation, and how to appropriately compensate creators, is still up for debate. Meanwhile, suppliers of traditional media are taking different approaches to grapple with this monumental shift in the availability of AI-generated

imagery. On the other side of the spectrum, Shutterstock—a Getty Images competitor—recently announced that it was linking arms with Meta, enabling the company to use Shutterstock’s expansive content _____ to develop, evaluate, and _____ its machine learning model. This followed their announcement in October that Shutterstock would be expanding its partnership with OpenAI—the company behind viral AI chatbot ChatGPT—revealing that the firm had _____ imagery from Shutterstock to train their popular image generator DALL-E beginning in 2021.

Question 11

The lawyers representing a group of artists who filed a class action _____ against three A.I. companies—Midjourney Inc, DeviantArt Inc, and Stability A.I.—have filed an amended complaint to address concerns of the court after a federal judge dismissed some of their claims in October.

Question 12

Judge Orrick allowed one count of _____ infringement to move forward against Stability A.I. for allegedly copying the 16 works for which Andersen had _____ her copyrights with the U.S. Copyright Office, considered the core claim of the lawsuit.

Question 13

The entire lawsuit has been reworked and rewritten, jumping from a 46-page complaint filed in January to 94 pages—and over 450 when including _____ evidence exhibits showing the alleged copyright infringement. Much of the additions are _____, pertaining to descriptions of the machine-learning _____ and precisely how the works of the artists were used to _____ the models at question.

Question 14



Which image is the original artist image? Top left, top right, bottom left, bottom right

Question 15



Which image is the original artist image? Top left, top right, bottom left, bottom right

Question 16

Zhang, a freelance artist and photographer, also issued a public statement on their website and said the amended complaint “breaks down the tech” behind image generative A.I. models and copyright in a way that is easy to understand, gives a clearer picture on what the lawsuit is about, and “sets the record straight” on some misleading headlines that have been in the press this past year.

“I am very grateful that we now have photography represented in this lawsuit, because gen AI models are heavily trained on the works of our industry, from hobbyists to professionals alike, and I believe we should be heard too,” Zhang said. “To my fellow sisters and brothers in creative industries affected by this exploitation of our work, I hope this case can continue to give voice to the countless thousands of us, and set a legal _____ that makes things right.”

Question 17

In an artists response module, he writes- In fact, the AI art programs are a better illustration of the _____ of all this. In these programs, the AI goes through the _____ - and “trains itself” on artwork, breaking down artists’ techniques into _____ that can then be applied to anything. Want to see an apple in the style of Van Gogh? Easy. A day at the DMV by Hieronymus Bosch? No sweat.

Question 18

But, now getting right to the core of the nut; DALL-E, Midjourney, Stable Diffusion, and anything like it are not _____. To misquote Browning, their reach doesn’t exceed their grasp. They are not _____. They aren’t trying to commit to paper one shard of a magnificent, unrealized whole. We create art from the _____. We are driven by passion and _____ and ambition. AI is not human. It is a machine that steals from artists so that people who have no interest in taking an artist’s journey and following that vocation can pretend they did.

Question 19

Is there an end? Probably not good. If artists can’t find _____, they stop doing _____. Mama gotta eat and there’s a data entry job somewhere (for now.) So people stop doing art. Or maybe they just stop putting it _____. Because AI has to continually _____, or its images start looking alike, maybe it loses popularity.

Question 20

From an artist and a writer, please don’t use advanced _____ to write copy. Don’t use AI art programs to _____ anything. Ask yourself what it would mean when every job was _____, every trail hiked, every river kayaked a thousand times. What eventually becomes the point of human life if not to create something valued by the world? Do we let an _____ - do that for us too?