



SPOT THE DIFFERENCES



TABLE OF CONTENTS

Introduction	i
Cyber Security and Observation	2
Solution	3
Explications	4
Discussion	5
How to Discuss this Topic?	6

INTRODUCTION

Observation in cybersecurity is certainly a must. In this sense, taking your time and looking before clicking on a link is very effective in maintaining a safe browsing experience.

In this little activity, we wanted to introduce you to a facet of cybersecurity that we consider to be a basic notion, namely observation.

Taking your time, try to find the traps in the bottom image, and compare it to the top image. You will be amazed to realize how much we already know about cyber security. Will you be able to avoid falling into the trap?

Good observation while being cyber secure.

CYBER SECURITY AND OBSERVATION

LOONEY TUNES BIGGEST COMPILATION: Bugs Bunny, Daffy Duck and more!
45,581,781 views • Apr 8, 2015

LOONEY TUNES BIGGEST COMPILATION: Bugs Bunny, Daffy Duck and more!
781 views • Apr 8, 2015

Solution on next page.

Can you Find the 7 Traps?

SOLUTION

The image displays two screenshots of a YouTube video player for the video "LOONEY TUNES BIGGEST COMPILATION: Bugs Bunny, Daffy Duck and more!". The top screenshot shows the original URL: `https://www.youtube.com/watch?v=OM6xvpzqCUA`. The bottom screenshot shows a modified URL: `http://www.youtub.com/watch?v=6xvpzqCU`. In the bottom screenshot, several elements are circled in green to highlight differences: the protocol (`http`), the domain (`www.youtub.com`), the video ID (`6xvpzqCU`), the view count (`781` views), and the like count (`22K` likes). The video player interface, including the video player itself and the title, is identical in both screenshots.

Explanations on next page.

The 7 Traps

EXPLANATIONS



When visiting a well-known website like Youtube, it is necessary to check if the HTTPS protocol is present in the URL address. By having this protocol, one can count on a secure connection. More and more sites on the web are using this protocol. Of course, when the HTTPS protocol is used, a small padlock is visible. So there were 2 traps.



There is an error in the URL. This is a common practice to try to convince the user that they are on the right page. By changing a single letter, the site appears legitimate. However, if you take the time to think about it and do a little research, you realize the mistake. So there was a trap.



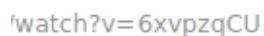
One thing that raises doubts is the link between the number of views and the number of "likes". If we have 177,000 (177K, K = 1000) "Likes", we should have 177,000+ views. The site is questionable. So there was a trap.



Non seulement il manque une lettre, le logo a été inversé. En regardant rapidement, il est facile de tomber dans le piège. Le site est d'autant plus douteux ! Il y avait un autre piège.



Not only is there a letter missing, the logo has been reversed. By looking quickly, it is easy to fall into the trap. The site is all the more dubious! There was another trap.



The address seems to have been modified further. This is the last trap.

DISCUSSION

Take a few moments to reflect on the various pitfalls. What lessons can you learn? We have provided a template for your reflection. If you need additional rectangles, print this page to fit your needs.



Lesson 1 :



Lesson 2 :



Lesson 3 :

**Find guidelines for the
discussion on the next
page.**

HOW TO DISCUSS THIS TOPIC?

Discussing cybersecurity without a benchmark can be difficult. Here are some suggestions you might use to approach the thinking.



Suggestion 1 : Resourcefulness

Ask the student about resourcefulness. How would he/she feel if he/she ended up on a questionable website?



Suggestion 2 : Ethic

Why some people may want to create fake websites? It can be interesting to open the discussion around criminality in our society and to explain the complexity of our society. Hence the importance of being educated about the issues of the Web.

The guidelines are primarily a guide. You may adopt others if you wish.