**Worksheet: *Toxic plants and ER 20 questions case scenario game***

**(Plant Diversity and Evolution 11:216:411 / Plant Systematics 16:215:507 - Thu Dec 2, Fall 2015)**

**© Lena Struwe**

**Due TODAY.**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ RUID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

Circle/bold: Undergraduate / graduate student Points: \_\_\_\_\_\_ (5)  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Important - you will work in pairs of two, but** **DO NOT SHOW YOUR PARTNER YOUR SPECIES OR YOUR PLANT INFORMATION.** In this exercise you will use all your developed skills in plant identification, plant morphological terminology, use of databases, shortcuts to plant information and common plant sense.

**Case scenario:** A patient arrives at the hospital emergency room (ER) and complains about stomach problems. He/She has just eaten a plant, advertently or inadvertently, and the doctor or nurse is now trying to figure out what the plant might be (while treating all the symptoms, of course).   
 **Before the question session start the patient will tell the doctor WHY/HOW the plant got into his/her mouth. But then the patient gets so sick that he/she can only answer YES/NO/I DON'T KNOW, and the doctor have only 20 questions to try to figure this plant out**. The doctor has a list of possible plants (handed out in class), but the list has only common name, scientific name, and family name on it. The doctor is allowed to use any tools (incl. googling, internet resources, books, etc.), while questioning the patient, but it can't take too long, the patient is getting worse. The doctor can ask the patient anything, like where the plant was, looked like, size, location.   
 **Each of you will take one turn each being the patient and the doctor.** All students in the class will get different toxic plants, so it doesn't matter what you overhear from other students.

**BEFORE YOU START IN THE PATIENT ROLE:** You will receive an patient worksheet listing a species that has just been ingested by you. Look up information about the plant so you can answer the yes/no/I don't know questions from the doctor. Write down information you find on the worksheet (this can take about 10-15 min, not longer). You will also have information on where the particular toxic plant was growing, how/why you ate it, and which part you ate, and you can share this with the doctor if he/she asks. The first think you tell the doctor is 'I feel so sick because ' xxx', and you fill in with the reason you ate that plant (like 'I thought it was wild onion bulbs'). After that you get so sick you can only say yes/no/I don't know. Try to minimize the 'I don't know' questions, since those are unhelpful for the doctor, but do not lie, confuse the doctor on purpose or play obstinate ☺. Of course you can act sick if you like, as long as you answer questions and follow the rules of this 20 questions game.

**BEFORE YOU START IN THE DOCTOR ROLE:** Take a look at the complete list of toxic plant species. Make some mental notes on how to ask smart questions from a sick patient to get to the correct plant. You are allowed to show pictures from online or books and ask the patient 'Is this the plant?' or make drawings. When you ask questions, fill in the question sheet (attached). Can you figure it out with 20 questions?

**Hand in worksheets today for full grade (include your patient sheet, stapled to this sheet).**

**DOCTOR QUESTION WORKSHEET:**

Patient (student name): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Doctor (your name): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Question no.** | **Question?** | **Yes?** | **No?** | **I don't know** |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |
| 12 |  |  |  |  |
| 13 |  |  |  |  |
| 14 |  |  |  |  |
| 15 |  |  |  |  |
| 16 |  |  |  |  |
| 17 |  |  |  |  |
| 18 |  |  |  |  |
| 19 |  |  |  |  |
| 20 |  |  |  |  |

Did you figure it out? What was your species guess? Was it correct? Comments?