Three Letter Body Part Game

Write a Java Program to prompt a user for a 3 letter body part name which has to be in the "official" list of 3 letter body parts.

If a user makes a guess correctly then display the correct guess as part of a list

Allow the user to keep guessing until they have all 10

If a body part is incorrect then display an appropriate message

Also display the number of guesses they have made including the correct ones

There are many opportunities for writing this code in an elegant and efficient manner. So do not be afraid to rewrite your code once complete to achieve this goal.

Hints

Use Arrays and Collections where appropriate

Use Exception handling where appropriate

Use the console for the output or simple Message Dialogs as appropriate

The Official 10 Three Letter Body Part List

01.	Arm
02.	Ear
03.	Eye
04.	Gum
05.	Hip
06.	Jaw
07.	Leg
08.	Lip
09.	Rib
10.	Toe

<u>Enhancements</u>

If you complete the exercise consider writing the following enhancements:

1. Add a time taken feature into the code to see how quickly you can remember the body parts (you may need to research how we store time and intervals in Java)

2. Allow more than one user of your program to enter their name and record their results (you may wish to display the results sorting by fastest time)

3. Make the results persistent by storing them in a file that is read from and written to, when the program starts and ends