Change #2:

1. Change: Replace the "int main( )" line with "int main"
2. Classification: Syntax Error because it was a grammatical error.
3. Error Message: warning: extended initializer lists only available with –std=c++11 or –std=gnu++11
4. Number: 20 errors and 1 warning were detected.
5. Correspondence: The error message identifies the location of the error, and it seems descriptive enough for the user to know that parenthesis are missing.

Change #4:

1. Change: In the assignment statement line, deliberately misspell “total\_peas” as “total\_pees”.
2. Classification: Syntax Error because it was a grammatical error.
3. Error Message: ‘total\_pees’ was not declared in this scope.
4. Number: 1 error was detected.
5. Correspondence: The error message accurately locates the position of the mistake, and even identifies “total\_pees” as misspelled.

Change #6:

1. Change: Delete the entire “cin>>peas\_per\_pod;” line.
2. Classification: Run-time error because when the user attempts to run the program, the program will work up to a certain point but will not complete. The program crashes after entering number of pods.
3. Error Message: Crashes after entering number of pods.
4. Number: 0 errors were detected in compiler.
5. Correspondence: The compiler failed to detect the error, but there is an obvious error due to the fact that the program crashes.

Change #8:

1. Change: Omit the “;” that ends this same line.
2. Classification: Syntax Error because a grammatical error is present.
3. Error Message: expected ‘;’ before ‘cout’
4. Number: 1 error was detected.
5. Correspondence: The error message identifies the wrong line of the error, and appears to want the ‘;’ at the beginning of the line instead of the end.

Change #10

1. Change: Replace the “<<” with “>>” on this same line.
2. Classification: Syntax error because the compiler doesn’t understand ‘operator>>’
3. Error Message: no match for ‘operator>>’ in ‘std::cout >> “If you have “ ‘
4. Number: 1 error was detected.
5. Correspondence: This error message detected the error correctly, and communicates the error to the programmer clearly.

Change #12

1. Change: Change ‘cout’ with ‘pout’ in the line with “press return after…”
2. Classification: Syntax error because this is a grammatical error.
3. Error message: ‘pout’ was not declared in this scope
4. Number: 1 error was detected.
5. Correspondence: The error message identified the error correctly.

Change #14

1. Change: Delete lines “Enter the number of peas…” and cin >>pease\_per\_pod.
2. Classification: Run-time error because the program runs but then crashes
3. Error Message: The program returns with the incorrect number of peas.
4. Number: 0 errors were detected in the compiler.
5. Correspondence: The compiler failed to identify the error, but a user should easily be able to identify the error when the program is run.