GUESS THE WORD GAME :

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#include <iostream>
#include <string>
#include <cstdlib>
#include <ctime>

using namespace std;

// Function to check if the guessed letter is in the word
bool checkGuess(char guess, const string& word, string& guessedWord) {
    bool found = false;
    for (size_t i = 0; i < word.length(); ++i) {
        if (word[i] == guess) {
            guessedWord[i] = guess;
            found = true;
        }
    }
    return found;
}

int main() {
    // Array of words to guess
    string words[] = {"apple", "banana", "orange", "grape", "kiwi"};
    const int numWords = 5;

    // Seed the random number generator
    srand(static_cast<unsigned int>(time(0)));

    // Choose a random word from the array
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string word = words[rand() % numWords];

// Initialize guessedWord with underscores
string guessedWord(word.length(), '_');

int attempts = 0;
const int maxAttempts = 10;

cout << "Welcome to the Guess the Word Game!\n";
cout << "Try to guess the word within " << maxAttempts << " attempts.\n";

while (attempts < maxAttempts) {
    cout << "\nCurrent word: " << guessedWord << endl;
    char guess;
    cout << "Enter a letter guess: ";
    cin >> guess;

    if (checkGuess(guess, word, guessedWord)) {
        cout << "Correct guess!\n";
    } else {
        cout << "Incorrect guess. Try again.\n";
        attempts++;
    }

    // Check if the word is completely guessed
    if (guessedWord == word) {
        cout << "\nCongratulations! You guessed the word '" << word << "'!\n";
        break;
    }
}
```

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    if (attempts == maxAttempts) {
        cout << "\nSorry, you ran out of attempts. The word was '" << word << "'.\n";
    }

    return 0;
}
```