```python
# building a hangman python game

import random
from hangmanwords_basicpy import words
import string

# in the list, there are words that contain spaces or "-", and it's something we can't guess normally in a hangman game. So we need to filter those words out..

def get_valid_word(words):
    word = random.choice(words) # randomy chooses something from this list
    while "-" in word or " " in word: # continues choosing a word until it doesn't contain a dash/space
        word = random.choice(words)

    return word.upper()

def hangman():
    word = get_valid_word(words)
    word_letters = set(word) # keeps track of valid letters, saves all letters of a word in a set, and keeps track of it
    # set is an unordered list, whereas a list has ordered
    alphabet = set(string.ascii_uppercase) # imports uppercase letters in alphabet
    used_letters = set() # what the user has guessed

    lives = 6

    #getting user input
    while len(word_letters) > 0 and lives > 0:
        # letters used
        print("You have used these letters: ", " ".join(used_letters))

        # what current word is (i.e. W - R D)
        word_list = [letter if letter in used_letters else "-" for letter in word]
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        print("Current word: ", " ".join(word_list))

        user_letter = input("Guess a letter: ").upper() # uppercase because
case matters
        if user_letter in alphabet - used_letters: # if it's a valid letter in
the alphabet that hasn't been used yet, add it to used
            used_letters.add(user_letter)
            if user_letter in word_letters: # and if that guessed letter is in
the word..
                word_letters.remove(user_letter) # removes

            else:
                lives -= 1
                print("Letter is not in word")

        elif user_letter in used_letters:
            print("you have already guessed that letter. Try again..")

        else:
            print("Invalid character. Try again")

    # gets here when (len(words_letters) > 0)
    if lives == 0:
        print("You died! The word is ", word)
    else:
        print("You guessed the word", word, "!!")

hangman()
```

puts word back together

alpha minus guessed letters

if guess hasn't been guessed yet
add to guessed
and if it's in the word
remove from word
else
remove a life

if it has been guessed
let me know
else
it's probably not a valid character

ending

call the function