

1.

(a) L1 = ART ADJ* NOUN+

OTMN: NOUN

OTMN: NOUN OTMN

OTMADJ: ADJ

OTMADJ: ADJ OTMADJ

ADJNOUN: OTMN

ADJNOUN: OTMADJ OTMN

L1: ART ADJNOUN

(b) L2 = ADJ+ NOUN+

OTMADJ: ADJ

OTMADJ: ADJ OTMADJ

OTMN: NOUN

OTMN: NOUN OTMN

L2: OTMADJ OTMN

(c) L3 = (MOD + ϵ) (AUX + ϵ) VERB

OONMOD: ϵ

OONMOD: MOD

OONAU: ϵ

OONAU: AUX

L3: OONMOD OONAU VERB

(d) L4 = ADV* VERB ADV*

OTMADV: ADV

OTMADV: ADV OTMADV

LSADV: OTMADV VERB

LSADV: VERB

RSADV: OTMADV

RSADV: ε

L4: LSADV RSADV

2)

(a) preposition (occur before noun phrases)

in (a rash...), from (a smelly plant...), on (his arms...), against (advice...)

(b) adverb

not (was not), soon (soon saw),

(c) verb (not modal)

broke, saw, refused, was, is, see

(d) modal

(because he) could

(e) adjective

smelly (plant, modifying plant), frequent (hobby, modifying hobby)

(f) particle

out (he broke out)

(g) gerund

(he was) pulling

3)

(a) Was raised - **passive** (implied by his parents or someone else did the raising)

(b) He worked - **active** (subject did the verb)

(c) "Satchel" was given - **passive** (the thing of "Satchel" was given)

(d) arm had been injured - **passive** (something else injured the arm)

(e) He overcame - **active** (he did something)

(f) He became - **active** (he did something)

- (g) Had played - **active** (he played, he did)
- (h) Paige was known - **passive** (many people knew paige)
- (i) he had been asked - **passive** (others asked him for interviews)
- (J) be remembered - **passive** (others will remember him)

4)

- (a) donated (NP her expensive jewelry) (**TO** to) (**NP** charity)
- (b) giggled (**IN** during) (**NP** the movie)
- (c) protested (**ADV** angrily) (**IN** against) (**NP** tuition hikes)
- (d) robbed (**NP** the credit union) (**IN** in) (**NP** Boise)
- (e) attempted climb (**NP** the tallest mountain) (**IN** in) (**NP** Utah)
- (f) argued (**IN** with) (**NP** the lawyers) (**NP** of) (**NP** the defendant)
- (g) sold (**TO** to) (**NP** Julie) (**NP** his old car)
- (h) denied (**NP** he) (**VP** had broken) (**NP** any laws)
- (i) begged (**IN** for) (**NP** forgiveness)
- (j) swims (**IN on**) (**NP** Tuesdays)

5) can i get rootword from the rest?

- (a) **CAN** = seizure (NOUN) => (rule 5) => antiseizure (ADJECTIVE)
- (b) **CAN** = seizure (NOUN) => (rule 1) => seizures (NOUN)
- (c) **CANNOT** = no path leads to a final state of NOUN
- (d) **CAN** = seizure (NOUN) => (rule 1) => seizures (NOUN) => (rule 5) => antiseizures (ADJECTIVE)
- (e) **CANNOT** => No NOUN matches re prefix
- (f) **CAN** => form (VERB) => (rule 4) => reform (VERB)
- (g) **CANNOT** => no matches on re for a NOUN, match on suffix s goes to only NOUN, form is a verb, not a noun in the dictionary
- (h) **CAN** => form (VERB) => (rule 2) => forms (VERB) => (rule 4) => reforms (VERB)
- (i) **CANNOT** => form (VERB) => (rule 4) => reform (VERB) => no more rules apply

(j) **CAN** => re => form (VERB) => (rule 4) => reform (VERB) => (rule 4) => rereform (VERB)

6)

Derived Word -> Root Word -> Suffix -> Prefix -> Replacement Chars -> POS of root word -> POS of derived word

(a)

reporters -> reporter -> s -> * -> - -> NOUN -> NOUN

reporter -> report -> er -> * -> - -> NOUN -> NOUN

(b)

enviously -> envious -> ly -> * -> - -> ADJECTIVE -> ADVERB

envious -> envy -> ious -> * -> y -> VERB -> ADJECTIVE

(c)

smokiness -> smoke -> iness -> * -> e -> NOUN -> NOUN

(d)

counterclockwise -> clockwise -> * -> counter -> - -> ADJECTIVE -> ADJECTIVE

clockwise -> clock -> wise -> * -> - -> NOUN -> ADJECTIVE

(e)

superheroes -> heroes -> * -> super -> - -> NOUN -> NOUN

heroes -> hero -> es -> * -> - -> NOUN -> NOUN